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AUTHOR	Westbrook, Franklin D.
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ABSTRACT

Kuznik (1972) completed a study of community college populations and found that there is a rapidly growing number of students enrolled who were formerly enrolled in 4-year colleges and universities (reverse transfers). Impressively large percentages of the reverse transfers (38% males and 40% females) were continuing with their vocational plans, but even larger percentages of them either planned to enter a new field or did not have definite vocational plans (45% males and 44.5% females). Above 30% of the males and above 25% of the females complained of getting no assistance in making their transfers, and very similar percentages of the two groups of reverse transfers were either negative or bitter about their experiences at the 4-year institutions. A survey was made of the 16 Maryland public community college academic and vocational programs and a manual was written to assist counselors and academic advisers with their efforts to help students exiting Maryland 4-year colleges and universities find appropriate academic placement in Maryland public community colleges. Holland vocational codes were used to show similarities between occupations available to those trained at community colleges and occupations that are normally acquired by graduates from 4-year institutions. (Author)

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OCCUPATIONS AVAILABLE TO THE COMMUNITY COLLEGE TRAINED: A REVERSE TRANSFER MANUAL FOR COUNSELORS AND ACADEMIC ADVISERS

Franklin D. Westbrook

Research Report # 5-73

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SUMMARY

Kuznik (1972) completed a study of community college populations and found that there is a rapidly growing number of students enrolled who were formerly enrolled in four-year colleges and universities (Reverse Transfers). Impressively large percentages of the reverse transfers (38 percent males and 40 percent females) were continuing with their vocational plans, but even larger percentages of them either planned to enter a new field or did not have definite vocational plans (45 percent males and 44.5 percent females).

Above 30 percent of the males and above 25 percent of the females complained of getting no assistance in making their transfers, and very similar percentages of the two groups of reverse transfers were either negative or bitter about their experiences at the four-year institutions.

A survey of the 16 Maryland public community college academic and vocational programs was made, and a manual was written to assist counselors and academic advisers in their efforts to help students exiting Maryland four-year colleges and universities find appropriate academic placement in Maryland public community colleges.

Holland vocational codes were used to show similarities between occupations available to the community college trained and occupations that are normally acquired by graduates from four-year colleges and universities.

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OCCUPATIONS AVAILABLE TO THE COMMUNITY COLLEGE TRAINED:

A REVERSE TRANSFER MANUAL FOR COUNSELORS AND ACADEMIC ADVISERS

Introduction

We are living in one of those rare periods when young adults get double messages about education: They are told on the one hand that they must pursue the all-important education for the sake of economic security; and on the other hand, they are told that the highly educated are becoming unemployable. Employers are, at the same time, requiring higher educational accomplishments of their applicants, and they are becoming more critical of the skills applicants present them.

It appears that the tasks of student personnel workers and administrators in higher education are first, to help students discover vocational goals that are compatible with their needs and second, to direct them to training programs that will meet their needs and provide them with marketable skills.

The author is indebted to Dr. Brent Johnson who permitted the use of the major area titles in Section 3.

He is further indebted to Harold Silverman for his assistance in collecting from Maryland public community college catalogues the occupational titles listed in Section 2.

SECTION 1

Research

The reverse transfer--a student who transfers from a B.A. degree granting institution to a community college--is a growing phenomenon in higher education (Kuznik, 1972). This is in part attributable to an open door admissions policy, but it is also attributable to verifiable information that poor academic records can be improved in these settings (McKibbin, 1965; Meadows and Ingle, 1968).

Kuznik reported a large percentage of reverse transfers (38 percent male and 40 percent female) making no change in vocational plans while 45 percent of the males and 44.9 percent of the females either planned to enter a totally different field or did not have definite vocational plans.

The sources from which students got assistance for making the transfer were parents or relatives and friends for 40.4 percent of the males and 40 percent of the females; 28.1 percent of the males and 25.8 percent of the females got no assistance. Similar percentages, 30.3 percent males and 25.8 percent females, reported getting no assistance while they were at the B.A. degree granting institution. While 15.7 percent of the males and 28.5 percent of the females credited academic advisers with being helpful when they were enrolled at the B.A. degree granting institution, the percentage who credited the counseling center and student personnel staff with giving assistance while they were enrolled or when they were preparing to leave was too small to report (Kuznik, 1972).

It is interesting to note that the percentages of the students (32.6 males and 31.4 females) who were either bitter or negative about their experiences at the B.A. degree granting institution were closely paralleled by students who reported getting no help (30.0 percent males and 25.8 percent females).

The relationship of these two phenomena is worth exploring as is the relationship between vocational plan changes, vocational indecision and the incident of no counseling assistance.

Three classes of University of Maryland students might benefit from a program that would direct them to a community college in which they could prepare themselves for an occupation: (1) The vocationally oriented student--one whose expectations from a college education are strictly vocational; (2) The academically unsuccessful student--one whose academic record at the B.A. degree level is sub-standard; and (3) The B.A. degree recipient who graduated with no marketable skill.

The Manual

The Manual was developed as a model instrument for the use of counselors and academic advisers when they are helping students explore educational-vocational opportunities in community colleges. While it can not substitute for a college catalogue, it provides the kind of information about Maryland public community colleges that will enable counselors and academic advisers to direct students in a meaningful search for a satisfying major area.

The Manual contains the results of an analysis of the major areas of public community colleges in the State of Maryland. There were found 126 major areas which prepare students for 261 separate occupations. The vocational major areas appear to exist largely on the basis of the employability of students who complete them. They are organized such that they can be made responsive to the job market; when markets are saturated, they can be closed. The 261 occupations generally have vocational area counterparts in B.A. degree programs; hence, students who leave B.A. degree programs can often

transfer to a community college and continue their studies in their vocational areas. Holland's (1971) system of coding occupations has been used to identify the vocational area to which each occupation belongs, i.e., R=Realistic, I=Intellectual, A=Artistic, S=Social, E=Enterprising, C=Conventional. When a vocational code for an occupation was not available from Holland's System, Viernstein's (1971) system of deriving a Holland Code from The Dictionary of Occupational Titles was used.

The Manual does not prescribe a counseling process. t does, however, assume that, through some exploratory procedure, the helper will have helped the student arrive at some specific knowledge about his vocational interests. Because tests are so commonly used when specific information is needed, the occupations from the male and female forms of the Strong Vocational Interest Blank and the male and female sections of the Kuder Preference Record-Form D have been included in the Manual with the Holland code accompanying each occupation.

The Holland code places the occupations in a vocational group which can often be found at the community college level. When the direct Holland code of occupations does not give adequate information for declaring a community college vocational objective, as an alternate procedure, Holland's method of rendering a Summary Code appears to give additional valuable information. The Summary Code is computed by combining the codes of all occupations that show high on the student's profile.

Instructions: Begin by consulting Section 2, column one, for an occupation. Column two provides a Holland occupational code. Columns three and four give page references and entry numbers. Columns five, six, seven, eight and nine have an X when the occupation is available to one who completes a community college (C) program and when the same occupation is listed on the male

and female forms of the Strong Vocational Interest Blank (SVIB) (Columns six and seven) and the male and female sections of the Kuder Preference Record-Form D (Kuder) (Columns eight and nine).

When an X does not appear in column five but does appear in another column, the occupation has entry level requirements higher or different than can be acquired in Maryland public community colleges.

When an X appears in the C column, consult the page and entry numbers which refer to Section 3. Section 3 lists the occupations under major areas in column one. The occupational code is again in column two. Columns three and four list page and entry numbers for the major areas. The page and entry numbers in Section 3 refer to Maryland public community colleges in Section 4.

Section 4 lists Areas of Study and major areas in column one. A C, D, and/or T is listed under each Maryland public community college when the major area is available at the college!

Section 5 lists the occupations found on the SVIB and the Kuder. When these tests are used in counseling, the codes of high-interest occupations may be compared to the codes of occupations available to applicants who have completed community college programs. This may be done by consulting Section 6 where all occupations having the same code have been grouped.

Footnotes

[1]C=certificate programs which concentrate on vocational preparation. They are primarily provided for employed persons who wish to upgrade their skills, but may be elected by full time students, and generally carry some credits that are transferable into a degree program.

D=degree programs which concentrate on vocational preparation but include sufficient general education courses for the awarding of the Associates of Arts degree. A number of the courses frequently carry transfer credit.

T=transfer programs which are designed for the awarding of the Associates of Arts degree and to transfer students into Bachelor of Arts degree programs at the junior level. A number of transfer programs also prepare students for direct occupational entry.

SECTION 2

ALPHABETIC INDEX OF OCCUPATIONAL REFERENCE INFORMATION AND HOLLAND TYPE CODES

ALPHABETIC INDEX OF OCCUPATIONAL REFERENCE INFORMATION AND HOLLAND TYPE CODES

OCCUPATION	CODE	PAGE	ENTRY	SVIB KUDER C	M	F	M	F
ACCOUNTANT	CES	37	008		X	X		X
ACCOUNTANT	CES	41	001		X	X		X
ACCOUNTANT	CES	35	008		X	X		X
ACCOUNTANT, CERTIFIED PUBLIC	CIS	39	001		X		X	
ACCOUNTING CLERK	CES	15	001	X				
ADMINISTRATIVE ASSISTANT	ESC	15	001	X				
ADMINISTRATOR-FIRE DEPARTMENT	ESC	18	047	X				
ADVERTISING ASSISTANT	AES	20	076	X				
ADVERTISING DESIGNER	AIS	15	003	X				
ADVERTISING ILLUSTRATOR	AIS	15	003	X				
ADVERTISING MAN	AES	36	010	X	X			
ADVERTISING MAN	AES	15	002	X	X			
ADVERTISING PHOTOGRAPHER	AIR	15	003	X			X	
AGRICULTURAL TECHNICIAN	RIC	18	045	X				
AIR CARGO REPRESENTATIVE	RES	15	006	X				
AIR CONDITIONING AND REFRIGERATION TECHNICIAN	REI	20	078	X			X	
AIRCRAFT MAINTENANCE TECHNICIAN	RIE	15	004	X				
AIR FORCE OFFICER	IRC	35	003		X			
AIRLINE PILOT TRAINEE	IRC	15	006	X				
AIRLINE STEWARDESS	ESA	15	006	X		X		
AIRLINE STEWARDESS	ESA	38	011	X		X		
AIRPORT MANAGER	ESC	15	005	X				
AIR TRAFFIC CONTROL SPECIALIST TRAINEE	RSE	15	005	X				
ANNOUNCER	EAR	16	016	X				
ARCHITECT	AIR	35	002		X		X	
ARCHITECT	AIR	39	002		X		X	
ARCHITECTURAL DRAFTSMAN	RIA	15	009	X				
ARCHITECTURAL TECHNICIAN	AIR	15	008	X				
ARMY-ENLISTED	RAI	37	007			X		
ARMY-OFFICER	IRC	37	007		X	X		
ARMY OFFICER	IRC	35	003		X	X		
ARTIST	AIR	35	006		X	X		
ARTIST	AIR	37	002		X	X		
ART TEACHER	ASI	37	002			X		
AUDITING ASSISTANT	CSI	15	001	X				
AUTHOR-JOURNALIST	ASE	36	010		X		X	
AUTOMOBILE MECHANIC	RIE	39	003	X			X	
AUTOMOBILE SALESMAN	ESC	39	004				X	
AUTOMOTIVE ENGINEERING TECHNICIAN	IRC	16	013	X				
AUTOMOTIVE TROUBLESHOOTER	RIE	16	014	X			X	
BANK CLERK	CES	15	002	X				X
BANK CLERK	CES	16	015	X				
BANK CLERK	CES	41	002	X				X
BANKER	ECI	35	008		X	X	X	
BANKER	ECI	39	005		X	X	X	
BANKWOMAN	ECI	37	008		X	X	X	
BEAUTICIAN	SAC	38	011			X		X
BEAUTICIAN	SAC	41	003			X		X

7.

BEHAVIOR THERAPIST ASSISTANT	SRI	21	083	X				
BIOLOGIST	ISR	25	001		X			
BOOKKEEPER	CSI	39	006				X	X
BOOKKEEPER	CSI	41	004				X	X
BOOKSTORE MANAGER	ESC	39	007				X	X
BOOKSTORE MANAGER	ESC	41	005				X	X
BRICKLAYER	RCS	39	008				X	
BROADCASTING EQUIPMENT OPERATOR	RIE	16	016	X				
BUILDING CONTRACTOR	ERI	39	009				X	
BUILDING CONTRACTOR ASSISTANT	ERI	17	029	X				
BUSINESS ACCOUNTANT	CIS	15	001	X				
BUSINESS ACCOUNTING ASSISTANT/GOVERNMENT AGENCIES	CIS	15	001	X				
BUSINESS ACCOUNTING ASSISTANT/INDUSTRY	CIS	15	001	X				
BUSINESS EDUCATION TEACHER	CSE	37	008		X	X		
BUSINESS EDUCATION TEACHER	CSE	36	012		X	X		
BUSINESS MANAGER	ESC	16	018	X				
BUSINESS MANAGER ASSISTANT	ESC	20	075	X				
BUYER	ECS	23	108	X	X	X	X	
BUYER	ECS	39	010	X	X	X	X	
BUYER	ECS	37	008	X	X	X	X	
CARD PUNCH OPERATOR	CRI	17	028	X				
CARPENTER	RCI	35	004		X		X	
CARPENTER	RCI	39	011		X		X	
CARTOGRAPHER ASSISTANT	RIA	16	019	X				
CATERING MANAGER	ESC	19	064	X				
CERTIFIED PUBLIC ACCOUNTANT (OWNER)	CIS	35	007		X		X	
CHAMBER OF COMMERCE EXECUTIVE	SEC	36	012		X			
CHEMICAL PRODUCTION TECHNICIAN	RIC	16	021	X				
CHEMIST	IRA	37	006		X	X	X	
CHEMIST	IRA	35	002		X	X	X	
CHEMIST	IRA	39	012		X	X	X	
CHILD CARE CENTER MANAGER	ESC	16	020	X				
CHILD CARE CENTER OPERATOR	ESC	16	020	X				
CHILD CARE CENTER OWNER	SRE	16	020	X				
CHILD CARE CENTER STAFF MEMBER	SRE	16	020	X				
CIVIL ENGINEERING TECHNICIAN	RIE	16	022	X				
CLERK	CES	24	125	X				
CLERK TYPIST	CES	24	125	X				
CLERK TYPIST	CES	23	115	X				
CLIMATE CONTROL TECHNICIAN	REI	20	078	X			X	
CLOTHIER, RETAIL	SER	39	013				X	
CLUB MANAGER	ESC	19	064	X				
CONSTRUCTION SUPERVISOR ASSISTANT	RIE	16	023	X				
CONSTRUCTION TECHNICIAN	RIE	18	045	X				
COMMERCIAL ARTIST	AIR	15	007	X				
COMMERCIAL ARTIST	AIR	15	010	X				
COMMERCIAL PILOT	IRC	15	006	X				
COMMUNITY PLANNER	RIE	17	020	X				
COMMUNITY PLANNER ASSISTANT	RIC	16	019	X				
COMMUNITY PLANNER ASSISTANT	RIC	20	126	X				
COMMUNITY PLANNING ASSISTANT	RIC	21	083	X				
COMMUNITY RECREATION DIRECTOR	SEA	36	012		X			
COMPUTER EQUIPMENT OPERATOR	CER	17	030	X				
COMPUTER PROGRAMMER	ICR	36	012	X	X	X	X	X
COMPUTER PROGRAMMER	ICR	17	028	X	X	X	X	X
COMPUTER PROGRAMMER	ICR	17	030	X	X	X	X	X

COMPUTER PROGRAMMER	ICR	39	014	X	X	X	X	X
COMPUTER PROGRAMMER	ICR	41	006	X	X	X	X	X
COMPUTER PROGRAMMER	ICR	37	006	X	X	X	X	X
COUNSELOR, HIGH SCHOOL	SEA	39	015				X	X
COUNSELOR, HIGH SCHOOL	SEA	41	007				X	X
COUNTY AGRICULTURAL AGENT	SRI	39	016				X	
CPA	CIS	35	008		X			
CREDIT MANAGER	CES	36	012		X			
CRIMINAL LABORATORY TECHNICIAN	IRC	20	074	X				
CUSTOMER ENGINEER	IRC	18	040	X				
DAY CARE WORKER	SRI	20	065	X				
DATA PROCESSING SYSTEMS ANALYST	ESI	17	030	X				
DEAN OF WOMEN	ESC	41	008					X
DENTAL ASSISTANT	SAI	17	031	X		X		X
DENTAL ASSISTANT	SAI	41	009	X		X		X
DENTAL ASSISTANT	SAI	38	010	X		X		X
DENTAL HYGIENIST	SAI	17	032	X				
DENTAL LABORATORY TECHNICIAN	RIA	17	033	X				
DENTIST	IRE	39	017		X	X	X	
DENTIST	IRE	35	001		X	X	X	
DENTIST	IRE	37	006		X	X	X	
DEPARTMENT MANAGER	ESC	23	108	X				
DEPARTMENT STORE SALESWOMAN	SEA	41	010					X
DIETETICS TECHNICIAN	SIR	17	034	X				
DIETETICS TECHNICIAN	SIR	18	049	X				
DIETITIAN	SIE	37	009			X		X
DIETITIAN, ADMINISTRATIVE	SIE	41	011					X
DIETITIAN, PUBLIC SCHOOL	SIE	41	012			X		X
DIETITIAN'S ASSISTANT	SIR	17	034	X				
DIESEL TECHNICIAN	RIE	20	078	X				
DIRECTOR,CHRISTIAN EDUCATION	SAI	37	004			X		X
DRAFTING ASSISTANT	RIE	17	036	X				
DRAFTSMAN/ARCHITECTURAL	RIA	17	035	X				
DRAFTSMAN/CONSTRUCTION	RIE	17	035	X				
DRAFTSMAN/CONSULTING ENGINEER	RIE	17	035	X				
DRAFTSMAN/INDUSTRY	RIE	17	035	X				
DRUG COUNSELING ASSISTANT	SRI	21	083	X				
EARLY CHILDHOOD/ELEMENTARY TEACHER ASSOCIATE	SRE	18	043	X				
EDUCATIONAL SECRETARY	CSE	23	115	X				
EDUCATIONAL TELEVISION PRODUCER ASSISTANT	SCE	17	026	X				
ELECTRICAL ENGINEERING AIDE	IRS	18	040	X				
ELECTRICAL ENGINEERING TECHNICIAN	IRC	18	040	X				
ELECTRICAL ENGINEERING TECHNICIAN	IRC	18	041	X				
ELECTRICAL EQUIPMENT TECHNICIAN	IRC	23	104	X				
ELECTRICIAN	RIS	39	018				X	
ELECTRONICS TECHNICIAN	IRE	18	041	X				
ELECTRONICS TECHNICIAN/DRAFTING	IRE	18	042	X				
ELECTRONICS TECHNICIAN/COMMUNICATIONS	IRE	18	042	X				
ELECTRONICS TECHNICIAN/COMPUTERS	IRE	18	042	X				
ELECTRONICS TECHNICIAN/INDUSTRIAL	IRE	18	042	X				
ELECTRONICS TECHNICIAN/RESEARCH AND DEVELOPMENT	IRE	18	042	X				
ELEMENTARY TEACHER	SAI	38	011			X		
ELEMENTARY TEACHER ASSOCIATE	SRE	17	037	X				
ELEMENTARY TEACHER ASSOCIATE	SRE	17	024	X				
ENGINEER	IRC	37	006		X	X	X	

ENGINEER	IRC	35	002		X	X	X
ENGINEER ASSISTANT	IRS	17	029	X			
ENGINEER, CIVIL	RIE	39	019		X	X	X
ENGINEER, ELECTRICAL	IRE	39	020				X
ENGINEER, HEATING/AIR CONDITIONING	REI	39	021	X			X
ENGINEER, INDUSTRIAL	ESI	39	022				X
ENGINEERING DRAFTSMAN	RIE	16	009	X			
ENGINEERING TECHNICIAN/STRUCTURAL DESIGN	IRC	16	023	X			
ENGINEERING TECHNICIAN/SURVEYING	IRC	16	023	X			
ENGINEER, MECHANICAL	RIE	39	023				X
ENGINEER, MINING AND METAL	RIE	39	024				X
ENGLISH TEACHER	ASE	37	003			X	
ENTERTAINER	AES	37	001			X	
ESTUARY RESOURCES TECHNICIAN	ISR	18	046	X			
EXECUTIVE AIDE, COUNTY GOVERNMENT	ECS	19	057	X			
EXECUTIVE AIDE, FEDERAL GOVERNMENT	ECS	19	057	X			
EXECUTIVE AIDE, LOCAL GOVERNMENT	ECS	19	057	X			
EXECUTIVE AIDE, STATE GOVERNMENT	ECS	19	057	X			
EXECUTIVE ASSISTANT, AGRICULTURE	ECS	19	056	X			
EXECUTIVE ASSISTANT, CLIMATOLOGY	ECS	19	056	X			
EXECUTIVE ASSISTANT, COUNTY GOVERNMENT	ECS	19	058	X			
EXECUTIVE ASSISTANT, DOMESTIC AND FOREIGN	ECS	19	056	X			
EXECUTIVE ASSISTANT, FEDERAL GOVERNMENT	ECS	19	058	X			
EXECUTIVE ASSISTANT, LOCAL GOVERNMENT	ECS	19	058	X			
EXECUTIVE ASSISTANT, MARKETING	ECS	19	056	X			
EXECUTIVE ASSISTANT, STATE GOVERNMENT	ECS	19	058	X			
EXECUTIVE ASSISTANT, TRANSPORTATION	ECS	19	056	X			
EXECUTIVE HOUSEKEEPER	SCE	38	011			X	
EXECUTIVE SECRETARY	ESC	23	112	X			
EXECUTIVE SECRETARY, PILOT	IRC	23	112	X			
EXPEDITOR	SER	16	023	X			
FAMILY THERAPIST ASSISTANT	SIC	21	083	X			
FARMER	RIC	35	004		X		X
FARMER	RIC	39	025		X		X
FIRE EQUIPMENT OPERATOR	RIE	18	048	X			
FIRE FIGHTER	RSE	18	047	X			
FIREMAN	RSE	18	048	X			
FIREMAN, ADMINISTRATOR	RSE	18	048	X			
FIREMAN, SUPERVISOR	RSE	18	048	X			
FIRE PROTECTION TECHNOLOGIST	RIS	18	047	X			
FLIGHT ENGINEER TRAINEE	IRC	15	006	X			
FLIGHT SERVICE STATION OPERATOR	RES	15	005	X			
FLORIST	SER	39	026				X X
FLORIST	SER	41	013				X X
FOOD DISTRIBUTOR	RSE	23	108	X			
FOOD SERVICE ASSISTANT	RSE	19	062	X			
FOOD SERVICE MANAGER	SEC	19	050	X			
FORESTER	RIS	39	027	X	X		X
FOREST SERVICE MAN	RIS	35	004		X		X
FOREST SERVICE TECHNICIAN	IRA	19	052	X			X
FOREST SERVICE TECHNICIAN	IRA	18	045	X			X
FOREST TECHNICIAN	IRA	19	051	X			X
FUNERAL DIRECTOR	SEC	35	008		X		
GENERAL ENGINEERING TECHNICIAN	IRC	19	053	X			
GENERAL OFFICE CLERK	CES	19	054	X			
GENERAL OFFICE WORKER	CIE	22	091	X	X		X
GENERAL SECRETARY	CSE	23	115	X		X	X

GRAPHIC ARTS TECHNICIAN	ESC	19	059	X				
GUIDANCE COUNSELOR	SEC	37	004			X		
HEAVY EQUIPMENT SALESMAN	ESI	23	108	X				
HOME DEMONSTRATION AGENT	SRI	41	014					X
HOME ECONOMICS TEACHER	SAE	37	009			X		X
HOME ECONOMICS TEACHER, COLLEGE	SAE	41	015			X		X
HOTEL/MOTEL MANAGER	ESC	19	062	X				
HOSPITAL MANAGEMENT SPECIALIST	ESC	19	063	X				
HOTEL MANAGER	ESC	20	064	X				
HUMAN SERVICES ASSISTANT	SRI	20	065	X				
INDUSTRIAL MANAGER	ESC	15	002	X				
INDUSTRIAL TECHNICIAN	IRE	19	066	X				
INSTRUMENT ASSEMBLER	RIC	38	011			X		
INSURANCE AGENT	ESI	39	028	X	X		X	
INSURANCE SALESMAN	ECS	23	108	X	X		X	
INSURANCE SALESMAN	ECS	22	102	X	X		X	
INSURANCE SALES MANAGER	ESC	22	102	X				
INTERIOR DECORATOR	AIS	39	029	X		X	X	X
INTERIOR DECORATOR	AIS	20	070	X		X	X	X
INTERIOR DECORATOR	AIS	41	016	X		X	X	X
INTERIOR DECORATOR	AIS	37	002	X		X	X	X
INTERVIEWER	SEC	21	083	X				
INVENTORY ACCOUNTANT	RIE	15	001	X				
INVESTIGATOR, ORGANIZATIONAL	CSE	22	097	X				
INVESTIGATOR, PRIVATE	RES	22	097	X				
JOURNALIST	ASE	39	030		X		X	
JUNIOR ACCOUNTANT	CES	15	001	X				
JUNIOR ACCOUNTANT	CES	15	002	X				
JUNIOR COMPUTER PROGRAMMER	ICR	17	030	X				
JUNIOR ELECTRICAL ENGINEER	IRE	18	040	X				
LABORATORY ANALYST (CHEMICAL)	IRA	16	021	X				
LABORATORY TECHNICIAN	IRC	20	072	X				
LABORATORY TECHNICIAN ASSISTANT	RSC	20	072	X				
LABOR RELATIONS SPECIALIST	SCE	20	073	X				
LANDSCAPER	RIC	19	051	X				
LANDSCAPER	RIC	18	045	X				
LANGUAGE ARTS TEACHER ASSOCIATE	SRE	17	024	X				
LANGUAGE ARTS TEACHER ASSOCIATE	SRE	17	037	X				
LANGUAGE ARTS TEACHER ASSOCIATE	SRE	18	043	X				
LANGUAGE TEACHER	SAE	37	003			X		
LAW ENFORCEMENT, ADMINISTRATOR	ESC	22	097	X				
LAW ENFORCEMENT SUPERVISOR	ESC	22	097	X				
LAW ENFORCEMENT OFFICER	RSI	22	097	X	X		X	
LAWYER	EAS	36	010		X	X	X	X
LAWYER	EAS	39	031		X	X	X	X
LAWYER	EAS	41	017		X	X	X	X
LAWYER	EAS	37	008		X	X	X	X
LEGAL SECRETARY	CSE	23	113	X				
LIBRARIAN	SAI	35	006		X	X	X	X
LIBRARIAN	SAI	39	032		X	X	X	X
LIBRARIAN	SAI	41	018		X	X	X	X
LIBRARIAN	SAI	37	005		X	X	X	X
LICENSED PRACTICAL NURSE	SAI	38	010	X		X		
LIFE INSURANCE SALESMAN	ECS	36	009	X	X		X	
LIFE INSURANCE UNDERWRITER	ECS	37	008			X		
LOAN CLERK	CES	15	002	X				
MACHINE DESIGNER	RIE	20	078	X				

MACHINIST	RIE	39	033			X		
MARKETING ASSISTANT	ECI	15	002	X				
MARKETING ASSISTANT	ECI	20	076	X				
MATERIAL AND SOIL TESTER	RIS	16	023	X				
MATHEMATICIAN	IRA	39	034		X	X	X	
MATHEMATICIAN	IRA	37	006		X	X	X	
MATHEMATICIAN	IRA	35	002		X	X	X	
MATH-SCIENCE TEACHER	ISR	35	004		X	X	X	X
MATH-SCIENCE TEACHER	ISR	37	006		X	X	X	X
MATH TEACHER, HIGH SCHOOL	ISR	39	035		X	X	X	X
MATH TEACHER, HIGH SCHOOL	ISR	41	019		X	X	X	X
MECHANICAL ENGINEERING TECHNICIAN	RIE	20	078	X				
MEDICAL LABORATORY ASSISTANT/BIOLOGICAL RESEARCH	ISC	21	079	X				
MEDICAL LABORATORY ASSISTANT/HOSPITAL	ISC	21	079	X				
MEDICAL LABORATORY ASSISTANT/MEDICAL SCHOOLS	ISC	21	079	X				
MEDICAL LABORATORY ASSISTANT/ PHARMACEUTICALS	ISC	21	079	X				
MEDICAL LABORATORY ASSISTANT/PUBLIC HEALTH	ISC	21	079	X				
MEDICAL RECORDS TECHNICIAN	CSA	21	080	X				
MEDICAL SECRETARY	CSA	23	114	X				
MEDICAL TECHNOLOGIST	ISR	21	081	X		X		
MEDICAL TECHNOLOGIST	ISR	37	006			X		
MENTAL HEALTH ASSISTANT	SIR	21	082	X				
MENTAL HEALTH ASSOCIATE	SIR	21	082	X				
MENTAL HEALTH CLINICIAN	SIR	21	082	X				
METEOROLOGIST	IRA	39	036				X	
MIDDLE MANAGER/ADVERTISING	ESC	20	077	X				
MIDDLE MANAGER/DEPARTMENT STORE	ESC	20	077	X				
MIDDLE MANAGER/NEWSPAPER	ESC	20	077	X				
MIDDLE MANAGER/SUPERMARKET	ESC	20	077	X				
MINISTER	SAI	35	005		X		X	
MINISTER	SAI	39	037		X		X	
MODEL	AES	37	001			X		
MULTI-MEDIA TECHNICIAN/PROMOTIONAL ACTIVITIES	IRE	21	084	X				
MULTI-MEDIA TECHNICIAN/SALES	IRE	21	084	X				
MULTI-MEDIA TECHNICIAN/TEACHING	IRE	21	084	X				
MULTI-MEDIA TECHNICIAN/TRAINING	IRE	21	084	X				
MUSICIAN PERFORMER	ASI	37	001		X	X		
MUSICIAN PERFORMER	ASI	35	006		X	X		
MUSIC TEACHER	ASI	37	001	X	X	X		
MUSIC TEACHER	ASI	35	006	X	X	X		
MUSIC TEACHER (PRIVATE)	ASI	21	085	X	X	X		
NAVY-ENLISTED	RCS	37	007			X		
NAVY-OFFICER	IRC	37	007			X		
NEWSWOMAN	ASE	37	003			X		
NUCLEAR MEDICINE TECHNICIAN	ISR	21	088	X				
NUCLEAR SCIENCE AIDE	IRA	21	88	X				
NUCLEAR SCIENCE AIDE	IRA	22	103	X				
NUN-TEACHER	SAE	37	004			X		
NURSE	SIA	41	020	X		X		X
NURSERYMAN	IRS	39	038				X	
NUTRITIONIST	SIE	41	021					X
OCCUPATIONAL THERAPIST	SRE	41	022			X		X
OCCUPATIONAL THERAPIST	SRE	38	010			X		X

OCCUPATIONAL THERAPY ASSISTANT	SIR	21	089	X				
OCEANOGRAPHIC TECHNICIAN	ICR	21	090	X				
OFFICE CLERK	CIE	41	023	X	X			X
OFFICE WORKER	CIE	35	008	X	X			X
OPTOMETRIST	ISR	39	339				X	
OSTEOPATH	ISR	35	C01		X		X	
OSTEOPATH	ISR	39	C40		X		X	
PAINTER, HOUSE	RCI	39	041				X	
PAROLE OFFICER	SIC	17	025	X				
PASSENGER AGENT	RES	15	C05	X			X	
PEDIATRICIAN	ISA	39	042				X	
PERSONNEL DIRECTOR	SIE	35	005		X			
PERSONNEL MANAGER	ESC	16	C18	X				
PERSONNEL MANAGER	ESC	39	043				X	
PETROLEUM DISTRIBUTOR	RCE	23	108	X				
PHARMACEUTICAL SALESMAN	ESC	39	044				X	
PHARMACIST	IES	35	008		X		X	
PHARMACIST	IES	39	045		X		X	
PHOTOGRAPHER	AIR	39	046	X			X	
PHOTOLITHOGRAPHER	AIR	19	059	X				
PHYSICAL EDUCATION TEACHER	SRE	37	010			X		
PHYSICAL THERAPIST	SIR	39	047		X	X	X	X
PHYSICAL THERAPIST	SIR	41	024		X	X	X	X
PHYSICAL THERAPIST	SIR	36	012		X	X	X	X
PHYSICAL THERAPIST	SIR	38	C10		X	X	X	X
PHYSICAL THERAPY ASSISTANT	SRI	22	094	X				
PHYSICIAN	ISA	39	048		X	X	X	
PHYSICIAN	ISA	37	C06		X	X	X	
PHYSICIAN	ISA	35	C01		X	X	X	
PHYSICIAN'S ASSISTANT	ISA	22	C95	X				
PHYSICIST	IAR	35	002		X			
PILOT PLANT TECHNICIAN (CHEMICAL)	RIC	16	C21	X				
PILOT/SELF EMPLOYED	IRC	15	006	X				
PLANT ENGINEERING TECHNICIAN/HOSPITALS	EIR	22	096	X				
PLANT ENGINEERING TECHNICIAN/INDUSTRIAL	EIR	22	096	X				
PLANT ENGINEERING TECHNICIAN/SCHOOLS	EIR	22	096	X				
PLUMBER	RIE	39	049				X	
PLUMBING CONTRACTOR	ERI	39	C50				X	
PODIATRIST	SIR	39	051				X	
POLICEMAN	RIS	35	004	X	X		X	
POLICEMAN	RSI	40	052	X	X		X	
POLLUTION ABATEMENT TECHNICIAN	IRS	22	098	X				
POSTAL CLERK	CES	40	053				X	
PRACTICAL NURSE	SAI	21	087	X		X		
PRESIDENT (MANUFACTURING)	ESC	36	011		X			
PRIMARY SCHOOL TEACHER	SAI	41	025					X
PRINTER	RIC	40	054	X	X		X	
PRINTER	RIC	35	004	X	X		X	
PRINTING ADMINISTRATIVE TECHNICIAN	RIC	22	100	X				
PRINTING PRODUCTION TECHNICIAN	RIC	22	100	X	X		X	
PROBATION OFFICER	SIC	17	025	X				
PRODUCTION MANAGER	ESC	35	003		X			
PRODUCTION TECHNICIAN	RCE	20	078	X				
PRODUCER, RADIO AND TELEVISION	ISC	16	016	X				
PROJECT DIRECTOR	IRA	20	069	X				
PSYCHIATRIST	ISA	40	055			X		X
PSYCHIATRIST	ISA	35	C01			X		X

PSYCHOLOGICAL TESTING ASSISTANT	SEC	21	083	X				
PSYCHOLOGIST	ISA	41	026		X			X
PSYCHOLOGIST	ISA	35	001		X		X	X
PSYCHOLOGIST, CLINICAL	ISA	41	027				X	X
PSYCHOLOGIST, CLINICAL	ISA	40	056		X		X	X
PSYCHOLOGIST, COUNSELING	SEC	40	057				X	
PSYCHOLOGIST, INDUSTRIAL	ISA	40	058				X	
PSYCHOLOGY PROFESSOR	ISA	40	059				X	
PUBLIC ADMINISTRATOR	ESC	35	005		X			
PUBLIC HEALTH NURSE	SIA	38	010			X		
PURCHASING AGENT	ECS	35	008	X	X	X	X	
QUALITY CONTROL/INSPECTOR	RIC	22	101	X				
QUALITY CONTROL PLANNER	ESI	22	101	X				
QUALITY CONTROL TECHNICIAN	ICE	22	101	X				
RADIATION HEALTH TECHNICIAN	ICR	22	103	X				
RADIO AND TELEVISION ANNOUNCER	EAR	24	119	X				
RADIOLOGIC TECHNOLOGIST	IRS	38	010	X		X	X	X
RADIO STATION MANAGER	ESC	40	060				X	
REAL ESTATE AGENT	ECS	40	061	X	X		X	
REAL ESTATE AGENT	ESC	15	002	X				
REAL ESTATE SALESMAN	ECS	36	009	X	X		X	
REAL ESTATE SALESMAN	ESC	22	102	X	X		X	
REAL ESTATE SALESMAN	ECS	23	108	X	X		X	
REAL ESTATE SALES MANAGER	ESC	22	102	X				
RECREATION AIDE	SIC	22	106	X				
RECREATION LEADER	SIC	19	061	X				
RECREATION LEADER	SIC	37	004	X		X		
RECREATION LEADER	SIC	22	093	X		X		
RECREATION LEADER	SIC	22	092	X		X		
RECREATION LEADER/COMMERCIAL AGENCIES	SIC	23	106	X		X		
RECREATION LEADER/COUNTY DEPARTMENTS	SIC	23	106	X		X		
RECREATION LEADER/MUNICIPAL DEPARTMENTS	SIC	23	106	X		X		
RECREATION LEADER/PRIVATE AGENCIES	SIC	23	106	X		X		
RECREATION LEADER/RESIDENTIAL INSTITUTIONS	SIC	23	106	X		X		
RECREATION LEADER/SCHOOLS	SIC	23	106	X		X		
RECREATION LEADER/YOUTH SERVING AGENCIES	SIC	23	106	X		X		
REGISTERED NURSE	SIA	21	087	X		X		X
REGISTERED NURSE	SIA	38	010	X		X		X
REHABILITATION COUNSELOR	SIA	35	005		X			
RELIGIOUS EDUCATION DIRECTOR	SAI	41	028			X		X
RESEARCH AND DEVELOPMENT TECHNICIAN	IRS	18	040	X				
RESEARCH ASSISTANT (CHEMICAL)	IRA	16	021	X				
RESPIRATORY THERAPY TECHNICIAN	SIR	23	107	X				
RESTAURANT MANAGER	ESC	20	064	X				
RESTAURANT MANAGER	ESC	18	049	X				
SALES ENGINEER, HEATING AND AIR CONDITIONING	ESC	40	062				X	
SALESMAN	ESC	15	002	X				
SALES MANAGER	ESC	35	009		X			
SALESWOMAN	SEA	38	011			X		
SANITARY TECHNICIAN	RIE	22	098	X				
SCHOOL SUPERINTENDENT	SAI	35	005		X		X	
SCHOOL SUPERINTENDENT	SAI	40	064		X		X	
SCIENCE TEACHER, HIGH SCHOOL	ISR	40	063		X	X	X	X
SCIENCE TEACHER, HIGH SCHOOL	ISR	41	029		X	X	X	X
SECRETARY	CSE	38	011	X		X		X
SECRETARY	CSE	41	030	X		X		X

SECURITY OFFICER	ESC	22	097	X				
SECURITY OFFICER, ADMINISTRATOR	ESC	22	097	X				
SECURITY OFFICER SUPERVISOR	ESC	22	097	X				
SEWING MACHINE OPERATOR	CSR	38	011			X		
SMALL BUSINESS MANAGER	ESC	20	075	X				
SMALL STORE MANAGER	ESC	23	108	X				
SOCIAL CASE WORKER	SIA	40	065		X	X	X	X
SOCIAL CASEWORKER	SIA	41	031		X	X	X	X
SOCIAL SCIENCE TEACHER	SIC	37	004		X	X		
SOCIAL SCIENCE TEACHER	SIC	35	005		X	X		
SOCIAL WORKER	SIA	37	004		X	X	X	X
SOCIAL WORKER	SIA	35	005		X	X	X	X
SOCIAL WORKER, GROUP	SIA	41	032				X	X
SOCIAL WORKER, GROUP	SIA	40	066				X	X
SOCIAL WORKER, MEDICAL	SIA	41	033					X
SOCIAL WORKER, PSYCHIATRIC	SIA	40	067				X	X
SOCIAL WORKER, PSYCHIATRIC	SIA	41	034				X	X
SOCIAL WORKER, SCHOOL	SIA	41	035					X
SOLID WASTE TECHNICIAN	RIE	22	098	X				
SOLID WASTE TECHNICIAN	RIE	24	118	X				
SPEECH PATHOLOGIST	SIR	37	005			X		
STATISTICIAN	IRA	40	068				X	
STENOGRAPHER	CIE	23	115	X				
STENOGRAPHER	CIE	41	036	X				X
STENOGRAPHER	CIE	24	121	X				X
SUPERVISOR/FOREMAN, INDUSTRIAL	REI	40	069				X	
SURVEYING ASSISTANT	RCI	17	036	X				
TEACHER AIDE	SAI	17	037	X				
TEACHER AIDE	SAI	18	043	X				
TEACHER AIDE	SAI	19	065	X				
TEACHER AIDE	SAI	17	024	X				
TEACHER AIDE	SAI	18	038	X				
TEACHER AIDE	SAI	20	067	X				
TEACHING ASSISTANT	SIA	21	083	X				
TECHNICAL SECRETARY	CSE	23	116	X				
TELEPHONE OPERATOR	CSE	38	011			X		
TELEVISION REPAIRMAN	ISC	40	072				X	
TICKET SALES AGENT	SCE	15	006	X				
TOOL DESIGNER	ICR	20	078	X				
TRANSLATOR	SIA	37	005			X		
TRAVEL AGENT	CSR	40	070	X			X	
TRUCK DRIVER	RCE	40	071				X	
TYPIST	CIE	24	125	X				
UNIVERSITY PROFESSOR	IAS	40	073				X	
URBAN DEVELOPMENT ASSISTANT	ICR	24	126	X				
VETERINARIAN	IRS	40	074		X		X	
VETERINARIAN	IRS	35	001		X		X	
WASTE-WATER PLANT OPERATOR	RIE	22	098	X				
WELDER	RIS	40	075				X	
WHOLESALER	ESI	23	108	X				
X-RAY TECHNICIAN	IRS	23	105	X		X	X	X
X-RAY TECHNICIAN	IRS	40	076	X		X	X	X
X-RAY TECHNICIAN	IRS	41	037	X		X	X	X
YMCA STAFF MEMBER	SIC	37	004		X	X	X	
YMCA STAFF MEMBER	SIC	35	005		X	X	X	

SECTION 3

ALPHABETIC INDEX OF MARYLAND PUBLIC COMMUNITY COLLEGE

MAJOR AREAS WITH COMMONLY OBTAINED OCCUPATIONS

ALPHABETIC INDEX OF MARYLAND PUBLIC COMMUNITY COLLEGE MAJOR AREAS WITH COMMONLY OBTAINED OCCUPATIONS

MAJOR AREA	CODE	PAGE	ENTRY
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ADMINISTRATIVE ASSISTANT	ESC		
AUDITING ASSISTANT	CSI		
BUSINESS ACCOUNTANT	CIS		
BUSINESS ACCOUNTING ASSISTANT/GOVERNMENT AGENCIES	CIS		
BUSINESS ACCOUNTING ASSISTANT/INDUSTRY	CIS		
INVENTORY ACCOUNTANT	RIE		
JUNIOR ACCOUNTANT	CES		
C02 ADMINISTRATION (BUSINESS)		26	C03
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BANK CLERK	CES		
INDUSTRIAL MANAGER	ESC		
JUNIOR ACCOUNTANT	CES		
LOAN CLERK	CES		
MARKETING ASSISTANT	ECI		
REAL ESTATE AGENT	ECS		
REAL ESTATE AGENT	ESC		
SALESMAN	ESC		
C03 ADVERTISING ART		25	C02
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ADVERTISING ILLUSTRATOR	AIS		
ADVERTISING PHOTOGRAPHER	AIR		
C04 AIRCRAFT MAINTENANCE TECHNOLOGY		27	C04
AIRCRAFT MAINTENANCE TECHNICIAN	RIE		
C05 AIR TRAFFIC MANAGEMENT		27	C04
AIRPORT MANAGER	ESC		
AIR TRAFFIC CONTROL SPECIALIST TRAINEE	RSE		
FLIGHT SERVICE STATION OPERATOR	RES		
C06 AIR TRANSPORTATION		28	C04
AIR CARGO REPRESENTATIVE	RES		
AIRLINE STEWARDESS	ESA		
AIRLINE PILOT TRAINEE	IRC		
COMMERCIAL PILOT	IRC		
FLIGHT ENGINEER TRAINEE	IRC		
PASSENGER AGENT	RES		
PILOT/SELF EMPLOYED	IRC		
TICKET SALES AGENT	SCE		
C07 APPLIED ART AND DESIGN		25	C0
COMMERCIAL ARTIST	AIR		
C08 ARCHITECTLAL		28	C04
ARCHITECTURAL TECHNICIAN	AIR		

C09 ARCHITECTURAL AND INDUSTRIAL DRAFTING		27	C04
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C10 ART		25	C02
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C11 ART EDUCATION		31	C05
C12 ARTS AND SCIENCES		31	C06
C13 AUTOMOTIVE ENGINEERING		28	C04
AUTOMOTIVE ENGINEERING TECHNICIAN	IRC		
C14 AUTOMOTIVE SPECIALITIES		28	C04
AUTOMOTIVE TROUBLESHOOTER	RIE		
C15 BANKING		26	C03
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C16 BROADCASTING		25	C02
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BROADCASTING EQUIPMENT OPERATOR	RIE		
PRODUCER, RADIO AND TELEVISION	ISC		
C17 BUSINESS EDUCATION-GENERAL		30	C06
C18 BUSINESS AND INDUSTRIAL MANAGEMENT		25	C03
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COMMUNITY PLANNER ASSISTANT	RIC		
C20 CHILD CARE CENTER MANAGEMENT		33	007
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CHILD CARE CENTER OWNER	SRE		
CHILD CARE CENTER STAFF MEMBER	SRE		
C21 CHEMICAL (TECHNOLOGY)		28	C04
CHEMICAL PRODUCTION TECHNICIAN	RIC		
LABORATORY ANALYST (CHEMICAL)	IRA		
PILOT PLANT TECHNICIAN (CHEMICAL)	RIC		
RESEARCH ASSISTANT (CHEMICAL)	IRA		
C22 CIVIL (ENGINEERING)		28	C04
CIVIL ENGINEERING TECHNICIAN	RIE		
023 CIVIL TECHNOLOGY		28	C04
CONSTRUCTION SUPERVISOR ASSISTANT	RIE		
ENGINEERING TECHNICIAN/STRUCTURAL DESIGN	IRC		
ENGINEERING TECHNICIAN/SURVEYING	IRC		
EXPEDITOR	SER		
MATERIAL AND SOIL TESTER	RIS		

C24	CLASSROOM TEACHER AIDE		32	007
	ELEMENTARY TEACHER ASSOCIATE	SRE		
	LANGUAGE ARTS TEACHER ASSOCIATE	SRE		
	TEACHER AIDE	SAI		
C25	CORRECTIONAL SERVICES		32	C07
	PAROLE OFFICER	SIC		
	PROBATION OFFICER	SIC		
C26	COMMUNICATIONS		25	C02
	EDUCATIONAL TELEVISION PRODUCER ASSISTANT	SCE		
C27	COMMUNITY PLANNING		33	007
	COMMUNITY PLANNER	RIE		
C28	COMPUTER SCIENCE		28	004
	CARD PUNCH OPERATOR	CRI		
	COMPUTER PROGRAMMER	ICR		
C29	CONSTRUCTION		28	004
	BUILDING CONTRACTOR ASSISTANT	ERI		
	ENGINEER ASSISTANT	IRS		
C30	DATA PROCESSING		26	003
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	DATA PROCESSING SYSTEMS ANALYST	ESI		
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C31	DENTAL ASSISTING		29	005
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C32	DENTAL HYGIENE		29	C05
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C33	DENTAL LABORATORY TECHNOLOGY		29	C05
	DENTAL LABORATORY TECHNICIAN	RIA		
C34	DIETARY TECHNOLOGY		30	C05
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	DIETETICS TECHNICIAN	SIR		
C35	DRAFTING		28	004
	DRAFTSMAN/ARCHITECTURAL	RIA		
	DRAFTSMAN/CONSTRUCTION	RIE		
	DRAFTSMAN/CONSULTING ENGINEER	RIE		
	DRAFTSMAN/INDUSTRY	RIE		
C36	DRAFTING AND SURVEYING ASSISTANT		28	C04
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	SURVEYING ASSISTANT	RCI		
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	LANGUAGE ARTS TEACHER ASSOCIATE	SRE		
	TEACHER AIDE	SAI		

C38 EARLY CHILDHOOD INSTRUCTIONAL AIDE		31	C06
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C39 EDUCATION FOR INDUSTRY		31	C06
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ELECTRICAL ENGINEERING AIDE	IRS		
ELECTRICAL ENGINEERING TECHNICIAN	IRC		
JUNIOR ELECTRICAL ENGINEER	IRE		
RESEARCH AND DEVELOPMENT TECHNICIAN	IRS		
041 ELECTRICAL/ELECTRONICS		29	C04
ELECTRICAL ENGINEERING TECHNICIAN	IRC		
ELECTRONICS TECHNICIAN	IRE		
042 ELECTRONICS		29	C04
ELECTRONICS TECHNICIAN/DRAFTING	IRE		
ELECTRONICS TECHNICIAN/COMMUNICATIONS	IRE		
ELECTRONICS TECHNICIAN/COMPUTERS	IRE		
ELECTRONICS TECHNICIAN/INDUSTRIAL	IRE		
ELECTRONICS TECHNICIAN/RESEARCH AND DEVELOPMENT	IRE		
043 ELEMENTARY EDUCATION		31	C06
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LANGUAGE ARTS TEACHER ASSOCIATE	SRE		
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045 ENVIRONMENTAL AND RENEWABLE RESOURCES TECHNOLOGY		33	C07
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FOREST SERVICE TECHNICIAN	IRA		
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C46 ESTUARINE RESOURCES TECHNOLOGY		33	C07
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047 FIRE PROTECTION TECHNOLOGY		33	C07
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FIRE FIGHTER	RSE		
FIRE PROTECTION TECHNOLOGIST	RIS		
048 FIRE SCIENCE		33	C07
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FIREMAN	RSE		
FIREMAN, ADMINISTRATOR	RSE		
FIREMAN, SUPERVISOR	RSE		
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C52	FOREST TECHNOLOGY		25 001
	FOREST SERVICE TECHNICIAN	IRA	
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C54	GENERAL OFFICE AIDE		26 003
	GENERAL OFFICE CLERK	CES	
C55	GENERAL STUDIES		32 006
C56	GEOGRAPHY		33 007
	EXECUTIVE ASSISTANT, AGRICULTURE	ECS	
	EXECUTIVE ASSISTANT, CLIMATOLOGY	ECS	
	EXECUTIVE ASSISTANT, DOMESTIC AND FOREIGN	ECS	
	EXECUTIVE ASSISTANT, MARKETING	ECS	
	EXECUTIVE ASSISTANT, TRANSPORTATION	ECS	
C57	GOVERNMENT SERVICE AIDE		33 007
	EXECUTIVE AIDE, COUNTY GOVERNMENT	ECS	
	EXECUTIVE AIDE, FEDERAL GOVERNMENT	ECS	
	EXECUTIVE AIDE, LOCAL GOVERNMENT	ECS	
	EXECUTIVE AIDE, STATE GOVERNMENT	ECS	
C58	GOVERNMENT SERVICE ASSISTANT		33 007
	EXECUTIVE ASSISTANT, COUNTY GOVERNMENT	ECS	
	EXECUTIVE ASSISTANT, FEDERAL GOVERNMENT	ECS	
	EXECUTIVE ASSISTANT, LOCAL GOVERNMENT	ECS	
	EXECUTIVE ASSISTANT, STATE GOVERNMENT	ECS	
C59	GRAPHIC ARTS TECHNOLOGY		25 002
	GRAPHIC ARTS TECHNICIAN	ESC	
	PHOTOLITHOGRAPHER	AIR	
C60	HEALTH EDUCATION		32 006
C61	HEALTH, PHYSICAL EDUCATION AND RECREATION		32 006
	RECREATION LEADER	SIC	
C62	HOME ECONOMICS		32 006
	FOOD SERVICE ASSISTANT	RSE	
	HOTEL/MOTEL MANAGER	ESC	
C63	HOSPITAL MANAGEMENT		30 005
	HOSPITAL MANAGEMENT SPECIALIST	ESC	
C64	HOTEL/RESTAURANT MANAGEMENT		33 007
	CATERING MANAGER	ESC	
	CLUB MANAGER	ESC	

	HOTEL MANAGER	ESC	
	RESTAURANT MANAGER	ESC	
C65	HUMAN SERVICES	33	C07
	DAY CARE WORKER	SRI	
	HUMAN SERVICES ASSISTANT	SRI	
	TEACHER AIDE	SAI	
C66	INDUSTRIAL (TECHNOLOGY)	29	C04
	INDUSTRIAL TECHNICIAN	IRE	
C67	INSTRUCTIONAL AIDE	32	C06
	TEACHER AIDE	SAI	
C68	INDUSTRIAL ARTS EDUCATION	32	C06
C69	INDUSTRIAL TECHNOLOGY (MANUFACTURING)	26	C03
	PROJECT DIRECTOR	IRA	
C70	INTERIOR DECORATING	25	C02
	INTERIOR DECORATOR	AIS	
C71	INTERNATIONAL AFFAIRS	34	C07
C72	LABORATORY TECHNOLOGY	30	C05
	LABORATORY TECHNICIAN	IRC	
	LABORATORY TECHNICIAN ASSISTANT	RSC	
C73	LABOR RELATIONS (BUSINESS)	26	C03
	LABOR RELATIONS SPECIALIST	SCE	
C74	LAW ENFORCEMENT	32	007
	CRIMINAL LABORATORY TECHNICIAN	IRC	
C75	MANAGEMENT (BUSINESS)	26	C03
	BUSINESS MANAGER ASSISTANT	ESC	
	SMALL BUSINESS MANAGER	ESC	
C76	MARKETING AND ADVERTISING	29	003
	ADVERTISING ASSISTANT	AES	
	MARKETING ASSISTANT	ECI	
C77	MARKETING MANAGEMENT	27	C03
	MIDDLE MANAGER/ADVERTISING	ESC	
	MIDDLE MANAGER/DEPARTMENT STORE	ESC	
	MIDDLE MANAGER/NEWSPAPER	ESC	
	MIDDLE MANAGER/SUPERMARKET	ESC	
C78	MECHANICAL (TECHNOLOGY)	29	004
	AIR CONDITIONING AND REFRIGERATION TECHNICIAN	REI	
	CLIMATE CONTROL TECHNICIAN	REI	
	MACHINE DESIGNER	RIE	
	MECHANICAL ENGINEERING TECHNICIAN	RIE	
	PRODUCTION TECHNICIAN	RCE	
	TOOL DESIGNER	ICR	

C79	MEDICAL LABORATORY TECHNICIAN		3C	C05
	MEDICAL LABORATORY ASSISTANT/BIOLOGICAL RESEARCH	ISC		
	MEDICAL LABORATORY ASSISTANT/HOSPITAL	ISC		
	SCHOOLS	ISC		
	MEDICAL LABORATORY ASSISTANT/ PHARMACEUTICALS	ISC		
	MEDICAL LABORATORY ASSISTANT/PUBLIC HEALTH	ISC		
C80	MEDICAL RECORDS TECHNOLOGY		3C	C05
	MEDICAL RECORDS TECHNICIAN	CSA		
C81	MEDICAL TECHNOLOGY		3C	C05
	MEDICAL TECHNOLOGIST	ISR		
C82	MENTAL HEALTH CLINICIAN		3C	C05
	MENTAL HEALTH ASSISTANT	SIR		
	MENTAL HEALTH ASSOCIATE	SIR		
	MENTAL HEALTH CLINICIAN	SIR		
C83	MENTAL HEALTH TECHNOLOGY		3C	C05
	BEHAVIOR THERAPIST ASSISTANT	SRI		
	COMMUNITY PLANNING ASSISTANT	RIC		
	DRUG COUNSELING ASSISTANT	SRI		
	FAMILY THERAPIST ASSISTANT	SIC		
	INTERVIEWER	SEC		
	PSYCHOLIGICAL TESTING ASSISTANT	SEC		
	TEACHING ASSISTANT	SIA		
C84	MULTI-MEDIA TECHNOLOGY		25	C02
	MULTI-MEDIA TECHNICIAN/PROMOTIONAL ACTIVITIES	IRE		
	MULTI-MEDIA TECHNICIAN/SALES	IRE		
	MULTI-MEDIA TECHNICIAN/TEACHING	IRE		
	MULTI-MEDIA TECHNICIAN/TRAINING	IRE		
C85	MUSIC		25	C02
	MUSIC TEACHER (PRIVATE)	ASI		
C86	MUSIC EDUCATION		32	C06
C87	NURSING		3C	C05
	PRACTICAL NURSE	SAI		
	REGISTERED NURSE	SIA		
C88	NUCLEAR MEDICINE TECHNICIAN		3C	C05
	NUCLEAR MEDICINE TECHNICIAN	ISR		
	NUCLEAR SCIENCE AIDE	IRA		
C89	OCCUPATIONAL THERAPY ASSISTANT		3C	C05
	OCCUPATIONAL THERAPY ASSISTANT	SIR		
C90	OCEAN ENGINEERING		29	C04
	OCEANOGRAPHIC TECHNICIAN	ICR		
C91	OFFICE CAREERS		27	C03

	GENERAL OFFICE WORKER	CIE	
C92	PHYSICAL EDUCATION	32	C06
	RECREATION LEADER	SIC	
C93	PHYSICAL EDUCATION AND RECREATION TECHNOLOGY	32	C06
	RECREATION LEADER	SIC	
C94	PHYSICAL THERAPY ASSISTANT	30	C05
	PHYSICAL THERAPY ASSISTANT	SRI	
C95	PHYSICIAN'S ASSISTANT	30	C05
	PHYSICIAN'S ASSISTANT	ISA	
C96	PLANT ENGINEERING	29	C04
	PLANT ENGINEERING TECHNICIAN/HOSPITALS	EIR	
	PLANT ENGINEERING TECHNICIAN/INDUSTRIAL	EIR	
	PLANT ENGINEERING TECHNICIAN/SCHOOLS	EIR	
C97	POLICE ADMINISTRATION	34	C07
	INVESTIGATOR, ORGANIZATIONAL	CSE	
	INVESTIGATOR, PRIVATE	RES	
	LAW ENFORCEMENT OFFICER	RSI	
	LAW ENFORCEMENT, ADMINISTRATOR	ESC	
	LAW ENFORCEMENT SUPERVISOR	ESC	
	SECURITY OFFICER	ESC	
	SECURITY OFFICER, ADMINISTRATOR	ESC	
	SECURITY OFFICER SUPERVISOR	ESC	
C98	POLLUTION ABATEMENT TECHNOLOGY	34	C07
	POLLUTION ABATEMENT TECHNICIAN	IRS	
	SANITARY TECHNICIAN	RIE	
	SOLID WASTE TECHNICIAN	RIE	
	WASTE-WATER PLANT OPERATOR	RIE	
C99	PRE-PHARMACY	31	C05
100	PRINTING TECHNOLOGY	25	C02
	PRINTING ADMINISTRATIVE TECHNICIAN	RIC	
	PRINTING PRODUCTION TECHNICIAN	RIC	
101	QUALITY CONTROL	28	C04
	QUALITY CONTROL/INSPECTOR	RIC	
	QUALITY CONTROL PLANNER	ESI	
	QUALITY CONTROL TECHNICIAN	ICE	
102	REAL ESTATE/INSURANCE	27	003
	INSURANCE SALESMAN	ECS	
	INSURANCE SALES MANAGER	ESC	
	REAL ESTATE SALESMAN	ECS	
	REAL ESTATE SALES MANAGER	ESC	
103	RADIATION SCIENCE	29	C04
	NUCLEAR SCIENCE AIDE	IRA	
	RADIATION HEALTH TECHNICIAN	ICR	

104 RADIO AND TELEVISION ELECTRICAL EQUIPMENT TECHNICIAN	IRC	26	C02
105 RADIOLOGIC TECHNOLOGY (X-RAY) X-RAY TECHNICIAN	IRS	31	C05
106 RECREATION LEADERSHIP		34	C07
RECREATION AIDE	SIC		
RECREATION LEADER/COMMERCIAL AGENCIES	SIC		
RECREATION LEADER/COUNTY DEPARTMENTS	SIC		
RECREATION LEADER/MUNICIPAL DEPARTMENTS	SIC		
RECREATION LEADER/PRIVATE AGENCIES	SIC		
RECREATION LEADER/RESIDENTIAL INSTITUTIONS	SIC		
RECREATION LEADER/SCHOOLS	SIC		
RECREATION LEADER/YOUTH SERVING AGENCIES	SIC		
107 RESPIRATORY THERAPY RESPIRATORY THERAPY TECHNICIAN	SIR	30	C05
108 RETAIL MANAGEMENT		27	C03
BUYER	ECS		
FOOD DISTRIBUTOR	RSE		
DEPARTMENT MANAGER	ESC		
HEAVY EQUIPMENT SALESMAN	ESI		
INSURANCE SALESMAN	ECS		
PETROLEUM DISTRIBUTOR	RCE		
REAL ESTATE SALESMAN	ECS		
SMALL STORE MANAGER	ESC		
WHOLESALER	ESI		
109 SCIENCE-MATHEMATICS		32	C06
110 SECONDARY EDUCATION		32	C06
111 SECRETARIAL EDUCATION		32	C06
112 SECRETARIAL EXECUTIVE		27	C03
EXECUTIVE SECRETARY	ESC		
EXECUTIVE SECRETARY, PILOT	IRC		
113 SECRETARIAL,LEGAL LEGAL SECRETARY	CSE	27	C03
114 SECRETARIAL,MEDICAL MEDICAL SECRETARY	CSA	31	C05
115 SECRETARIAL,SCIENCE		27	C03
CLERK TYPIST	CES		
EDUCATIONAL SECRETARY	CSE		
GENERAL SECRETARY	CSE		
STENOGRAPHER	CIE		
116 SECRETARIAL,TECHNICAL TECHNICAL SECRETARY	CSE	27	C03
117 SOCIAL SERVICE ASSISTANT		34	C07

118	SOLID WASTE TECHNOLOGY	34	C07
	SOLID WASTE TECHNICIAN RIE		
119	SPEECH-DRAMA	26	C02
	RADIO AND TELEVISION ANNOUNCER EAR		
120	SPEECH AND HEARING SCIENCE	31	C05
121	STENOGRAPHIC	27	C03
	STENOGRAPHER CIE		
122	TEACHER EDUCATION	32	C06
123	THEATRE ARTS	26	C02
124	TRAFFIC AND TRANSPORTATION MANAGEMENT	27	C03
125	TYPIST/CLERICAL	27	C03
	CLERK CES		
	CLERK TYPIST CES		
	TYPIST CIE		
126	URBAN DEVELOPMENT ASSISTANT	34	C07
	COMMUNITY PLANNER ASSISTANT RIC		
	URBAN DEVELOPMENT ASSISTANT ICR		

SECTION 4

CERTIFICATE, DEGREE AND TRANSFER PROGRAMS AT MARYLAND PUBLIC COMMUNITY COLLEGES

CERTIFICATE, DEGREE, AND TRANSFER PROGRAMS AT

MARYLAND PUBLIC COMMUNITY COLLEGES

AREAS OF STUDY	Allegany	Anne Arundel	Baltimore	Catonsville	Cecil	Charles	Chesapeake	Dundalk	Essex	Frederick	Garrett	Hagerstown	Harford	Howard	Montgomery (Rockville)	Montgomery (Takoma Park)	Prince George's
1. Agricultural Technology																	
Forestry	D T										D						
Forest Technology	D																
2. Applied Arts																	
Advertising Art				D T											D		
Applied Arts and Design				D T					D								
Art			T	T					D T			D			T	T	T
Broadcasting													C				
Commercial Art			D						D								
Communications			D									D					
Graphic Arts Technology													C D				
Interior decorating													D				
Multi-Media Technology		C D															
Music			D T	T					T						D T		T
Printing Technology															D		

AREAS OF STUDY	Allegany	Anne Arundel	Baltimore	Catonsville	Cecil	Charles	Chesapeake	Dundalk	Essex	Frederick	Garrett	Hagerstown	Harford	Howard	Montgomery (Rockville)	Montgomery (Takoma Park)	Prince George's
Applied Arts (Cont'd.)																	
Radio, T.V.			D T														
Speech, Drama			D T						T								
Theatre Arts		D T	T														
Visual Communication Technology																	
3. Business																	
Accounting		C D T	D T	D T					D	D	D T			D	D		D T
Administration	C D T	D T	D T	D T	D T	T	T	D T		T	D T	D T	D T	T	T	T	T
Banking									D								
Business and Industrial Management							D	D	D T	D							D T
Data Processing	C D	C D	D T	C D T		C D				C D		D	D	D	D T	D T	D
General Office Aide			C														
Industrial Technology (Manufacturing)								D									
Labor Relations			D T														
Management			D T				C D		D T	D					D	D	D T

AREAS OF STUDY	Allegany	Anne Arundel	Baltimore	Catonsville	Cecil	Charles	Chesapeake	Dundalk	Essex	Frederick	Garrett	Hagerstown	Harford	Howard	Montgomery (Rockville)	Montgomery (Takoma Park)	Prince George's
Business (Cont'd.)																	
Marketing and Advertising			D	D T					D T		D				D	D	
Marketing Management			D T	D T							D				D	D	D
Office Careers													C				
Real Estate/Insurance							D T			C							
Retail Management		C D		D T							D						
Secretarial-Executive	D T	C D	D T	D T		D			D			D	D	D	D	D	D
Secretarial-Legal	D	C D	D T	D T		D			D		C D				D	D	
Secretarial Science	D T	C D	D T	D T	D T	C D	C D T		D T	C D	D T	C	C	D			D
Secretarial-Technical		C D															
Stenographic			D				D							C D			
Traffic and Transportation Management				D T													
Typist/Clerk												C					
4. Engineering Technology																	
Air Traffic Management				D													

AREAS OF STUDY	Allegany	Anne Arundel	Baltimore	Catonsville	Cecil	Charles	Chesapeake	Dundalk	Essex	Frederick	Garrett	Hagerstown	Harford	Howard	Montgomery (Rockville)	Montgomery (Takoma Park)	Prince George's
Engineering Technology (Cont'd.)																	
Air Transportation				D													
Aircraft Maintenance Technology															D T		
Architectural		C D	D														
Architectural and Industrial Drafting				D									D				
Automotive Engineering	C D T												C				
Automotive Specialties																	
Chemical	D T	D T		D T									D				
Civil (Engineering)		D T										D	C D		D		D
Civil Technology									D				C		D T	D T	D
Computer Science	T										D						
Construction			D T			C D											D
Drafting			D T										C				
Drafting Surveying Assistant																	

AREAS OF STUDY	Allegany	Anne Arundel	Baltimore	Catonsville	Cecil	Charles	Chesapeake	Dundalk	Essex	Frederick	Garrett	Hagerstown	Harford	Howard	Montgomery (Rockville)	Montgomery (Takoma Park)	Prince George's
Engineering Technology (Cont'd.)																	
Electrical		C D T										D					D
Electrical/ Electronics												D					
Electronics		C	C D T	D		D				C D			C D	D	D T		D
General															D T		
Industrial									D								D
Mechanical		C D T	D T									D			D T		D
Ocean Engineering		C D T				C											
Plant Engineering			D T														
Quality Control	D T			D													
Radiation Science																D T	
5. Health																	
Dental Assisting			C D T						D							D	D
Dental Hygiene	D T		D T														
Dental Laboratory Technology			D T													D	

AREAS OF STUDY	Allegany	Anne Arundel	Baltimore	Catonsville	Cecil	Charles	Chesapeake	Dundalk	Essex	Frederick	Garrett	Hagerstown	Harford	Howard	Montgomery (Rockville)	Montgomery (Takoma Park)	Prince George's
Health (Cont'd.)																	
Dietary Technology			D T														
Hospital Management									D								
Laboratory Technology			D T										D				
Medical Laboratory Assistant					D T												D
Medical Laboratory Technology				D T			D T		D			T				D	D
Medical Record Technology			D T														
Medical Technology		D T	T	T											T	T	
Mental Health Clinician																	D
Mental Health Technology			D T	D T					D							D	
Nuclear Medicine Technician									D								
Nursing	D T	D	D T	D T					D	D		D	D	D		D	D
Occupational Therapy Assistant			C D T														
Physical Therapy Assistant			D T														
Physician's Assistant									D								

AREAS OF STUDY	Allegany	Anne Arundel	Baltimore	Catonsville	Cecil	Charles	Chesapeake	Dundalk	Essex	Frederick	Garrett	Hagerstown	Harford	Howard	Montgomery (Rockville)	Montgomery (Takoma Park)	Prince George's
Health (Cont'd.)																	
Pre-Pharmacy			T									T					
Radiologic Technology (X-Ray)			D						D							D	D
Respiratory Therapy			D T														
Secretarial-Medical	D T	C D T	D T	D T	D T	D			D		C D				D	D	
Speech and Hearing Science									D T								
6. Pre-Professional																	
Art Education			T	T					T								
Arts and Sciences	D T	D T	T	D T	T	T	T		T	T	T	T	T	T	T	T	T
Business Education - General			T	T					T		D				T	T	T
Early Childhood Education			T			D T			D T								
Early Childhood Instructional Aide							C				D	D					
Education for Industry															T		
Elementary Education		D T		T	T	D T	T	T	T	T	T				T	T	T
Engineering Science	T	T	T	D T	T	T			D T			T	T		T	T	T

AREAS OF STUDY	Allegany	Anne Arundel	Baltimore	Catonsville	Cecil	Charles	Chesapeake	Dundalk	Essex	Frederick	Garrett	Hagerstown	Harford	Howard	Montgomery (Rockville)	Montgomery (Takoma Park)	Prince George's
Pre-Professional (Cont'd)																	
General Studies	D T		T	T	T	D T	T	T	T		T		T	D T	D T	D T	T
Health Education			T	T													T
Health, Physical Education and Recreation		D T	T														D T
Home Economics															T	T	
Industrial Arts Education		D T	T	T					T	T							T
Instructional Aide		C						D			D				C		
Music Education			T	T					T						T		T
Physical Education			T	T			D T		T						T		T
Physical Education and Recreation Technology				T			T										
Science-Mathematics											T	T			D T	D T	
Secondary Education		D T		T	T			T	T						T	T	T
Secretarial Education	T			T			D T		T		C D				C D T	C D T	D T
Teacher Education	D T		D T	T	T	T	D T		T	D		T	T	T			

AREAS OF STUDY	Allegany	Anne Arundel	Baltimore	Catonsville	Cecil	Charles	Chesapeake	Dundalk	Essex	Frederick	Garrett	Hagerstown	Harford	Howard	Montgomery (Rockville)	Montgomery (Takoma Park)	Prince George's
7. Public and Social Services																	
Cartography															D T		
Child Care Center Management								D									
Classroom Teacher Aide					C D	C D	C										
Community Planning															D T		
Environmental and Renewable Resources Technology											D						
Estuarine Resources Technology						D											
Fire Protection Technology			C	D											D		D
Fire Science															C D		D
Food Administration			D T														
Food Service Management			D T									D			D		
Geography															D T		
Government Service Aide		D T	C														
Government Service Assistant		D T	D														

AREAS OF STUDY	Allegany	Anne Arundel	Baltimore	Catonsville	Cecil	Charles	Chesapeake	Dundalk	Essex	Frederick	Garrett	Hagerstown	Harford	Howard	Montgomery (Rockville)	Montgomery (Takoma Park)	Prince George's
Public and Social Services (Cont'd.)																	
Hotel/Restaurant Management			D T												D		
Human Services		D	D								D						
International Affairs																	T
Law Enforcement, Police Administration Police Science, Correctional Services	C		C D T	D T	D T	D	D T		D T			D	C		D		D
Pollution Abatement Technology						C D											
Recreation Leadership			C D	D T			D T								D T		D
Social Service Assistant									D								
Solid Waste Technology						C D											
Urban Development Assistant			D						D								

SECTION 5

STRONG VOCATIONAL INTEREST BLANK-MALE, (FORM T399)

OCCUPATIONAL LISTING AND HOLLAND TYPE CODES

STRONG VOCATIONAL INTEREST BLANK-FEMALE, (FORM T398)

OCCUPATIONAL LISTING AND HOLLAND TYPE CODES

KUDER PREFERENCE RECORD-FORM D, MALE OCCUPATIONAL

LISTING AND HOLLAND TYPE CODES

KUDER PREFERENCE RECORD-FORM D FEMALE, OCCUPATIONAL

LISTING AND HOLLAND TYPE CODES

STRONG VOCATIONAL INTEREST BLANK-MALE, (FORM T399) OCCUPATIONAL LISTING AND HOLLAND TYPE CODES

OCCUPATION	CODE	GROUP
DENTIST	IRE	001
OSTEOPATH	ISR	001
VETERINARIAN	IRS	001
PHYSICIAN	ISA	001
PSYCHIATRIST	ISA	001
PSYCHOLOGIST	ISA	001
BIOLOGIST	ISR	001
ARCHITECT	AIR	002
MATHEMATICIAN	IRA	002
PHYSICIST	IAR	002
CHEMIST	IRA	002
ENGINEER	IRC	002
PRODUCTION MANAGER	ESC	003
ARMY OFFICER	IRC	003
AIR FORCE OFFICER	IRC	003
CARPENTER	RCI	004
FOREST SERVICE MAN	RIS	004
FARMER	RIC	004
MATH-SCIENCE TEACHER	ISR	004
PRINTER	RIC	004
POLICEMAN	RIS	004
PERSONNEL DIRECTOR	SIE	005
PUBLIC ADMINISTRATOR	ESC	005
REHABILITATION COUNSELOR	SIA	005
YMCA STAFF MEMBER	SIC	005
SOCIAL WORKER	SIA	005
SOCIAL SCIENCE TEACHER	SIC	005
SCHOOL SUPERINTENDENT	SAI	005
MINISTER	SAI	005
LIBRARIAN	SAI	006
ARTIST	AIR	006
MUSICIAN PERFORMER	ASI	006
MUSIC TEACHER	ASI	006
CERTIFIED PUBLIC ACCOUNTANT (OWNER)	CIS	007
CPA	CIS	008
ACCOUNTANT	CES	008
OFFICE WORKER	CIE	008
PURCHASING AGENT	ECS	008
BANKER	ECI	008
PHARMACIST	IES	008
FUNERAL DIRECTOR	SEC	008
SALES MANAGER	ESC	009

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REAL ESTATE SALESMAN	ECS	C09
LIFE INSURANCE SALESMAN	ECS	C09
ADVERTISING MAN	AES	C10
LAWYER	EAS	C10
AUTHOR-JOURNALIST	ASE	C10
PRESIDENT (MANUFACTURING)	ESC	C11

SUPPLEMENTARY OCCUPATIONAL SCALES

CHAMBER OF COMMERCE EXECUTIVE	SEI	C12
CREDIT MANAGER	CES	C12
PHYSICAL THERAPIST	SIR	C12
COMPUTER PROGRAMMER	ICR	C12
BUSINESS EDUCATION TEACHER	CSE	C12
COMMUNITY RECREATION DIRECTOR	SEA	C12

STRONG VOCATIONAL INTEREST BLANK-FEMALE, (FORM T398) OCCUPATIONAL LISTING AND HOLLAND TYPE CODES

OCCUPATION	CODE	GROUP
ENTERTAINER	AES	001
MUSIC TEACHER	ASI	001
MUSICIAN PERFORMER	ASI	001
MODEL	AES	001
ART TEACHER	ASI	002
ARTIST	AIR	002
INTERIOR DECORATOR	AIS	002
NEWSWOMAN	ASE	003
ENGLISH TEACHER	ASE	003
LANGUAGE TEACHER	SAE	003
YMCA STAFF MEMBER	SIC	004
RECREATION LEADER	SIC	004
DIRECTOR,CHRISTIAN EDUCATION	SAI	004
NUN-TEACHER	SAE	004
GUIDANCE COUNSELOR	SEC	004
SOCIAL SCIENCE TEACHER	SIC	004
SOCIAL WORKER	SIA	004
SPEECH PATHOLOGIST	SIR	005
LIBRARIAN	SAI	005
TRANSLATOR	SIA	005
PHYSICIAN	ISA	006
DENTIST	IRE	006
MEDICAL TECHNOLOGIST	ISR	006
CHEMIST	IRA	006
MATHEMATICIAN	IRA	006
COMPUTER PROGRAMMER	ICR	006
MATH-SCIENCE TEACHER	ISR	006
ENGINEER	IRC	006
ARMY-ENLISTED	RAI	007
NAVY-ENLISTED	RCS	007
ARMY-OFFICER	IRC	007
NAVY-OFFICER	IRC	007
LAWYER	EAS	008
ACCOUNTANT	CES	008
BANKWOMAN	ECI	008
LIFE INSURANCE UNDERWRITER	ECS	008
BUYER	ECS	008
BUSINESS EDUCATION TEACHER	CSE	008
HOME ECONOMICS TEACHER	SAE	009
DIETITIAN	SIE	009
PHYSICAL EDUCATION TEACHER	SRE	010

38.

OCCUPATIONAL THERAPIST	SRE	010
PHYSICAL THERAPIST	SIR	010
PUBLIC HEALTH NURSE	SIA	010
REGISTERED NURSE	SIA	010
LICENSED PRACTICAL NURSE	SAI	010
RADIOLOGIC TECHNOLOGIST	IRS	010
DENTAL ASSISTANT	SAI	010
EXECUTIVE HOUSEKEEPER	SCE	011
ELEMENTARY TEACHER	SAI	011
SECRETARY	CSE	011
SALESWOMAN	SEA	011
TELEPHONE OPERATOR	CSE	011
INSTRUMENT ASSEMBLER	RIC	011
SEWING MACHINE OPERATOR	CSR	011
BEAUTICIAN	SAC	011
AIRLINE STEWARDESS	ESA	011

KUDER PREFERENCE RECORD-FORM D, MALE OCCUPATIONAL LISTING AND HOLLAND TYPE CODES

OCCUPATION	CODE	ENTRY
ACCOUNTANT, CERTIFIED PUBLIC	CIS	C01
ARCHITECT	AIR	C02
AUTOMOBILE MECHANIC	RIE	C03
AUTOMOBILE SALESMAN	ESC	C04
BANKER	ECI	C05
BOOKKEEPER	CSI	C06
BOOKSTORE MANAGER	ESC	C07
BRICKLAYER	RCS	C08
BUILDING CONTRACTOR	ERI	C09
BUYER	ECS	C10
CARPENTER	RCI	C11
CHEMIST	IRA	C12
CLOTHIER,RETAIL	SER	C13
COMPUTER PROGRAMMER	ICR	C14
COUNSELOR, HIGH SCHOOL	SEA	C15
COUNTY AGRICULTURAL AGENT	SRI	C16
DENTIST	IRE	C17
ELECTRICIAN	RIS	C18
ENGINEER, CIVIL	RIE	C19
ENGINEER, ELECTRICAL	IRE	C20
ENGINEER, HEATING/AIR CONDITIONING	REI	C21
ENGINEER, INDUSTRIAL	ESI	C22
ENGINEER, MECHANICAL	RIE	C23
ENGINEER, MINING AND METAL	RIE	C24
FARMER	RIC	C25
FLORIST	SER	C26
FORESTER	RIS	C27
INSURANCE AGENT	ECS	C28
INTERIOR DECORATOR	AIS	C29
JOURNALIST	ASE	C30
LAWYER	EAS	C31
LIBRARIAN	SAI	C32
MACHINIST	RIE	C33
MATHEMATICIAN	IRA	C34
MATH TEACHER, HIGH SCHOOL	ISR	C35
METEOROLOGIST	IRA	C36
MINISTER	SAI	C37
NURSERYMAN	IRS	C38
OPTOMETRIST	ISR	339
OSTEOPATH	ISR	C40
PAINTER, HOUSE	RCI	C41
PEDIATRICIAN	ISA	C42
PERSONNEL MANAGER	ESC	C43
PHARMACEUTICAL SALESMAN	ESC	C44
PHARMACIST	IES	C45
PHOTOGRAPHER	AIR	C46
PHYSICAL THERAPIST	SIR	C47
PHYSICIAN	ISA	C48
PLUMBER	RIE	C49
PLUMBING CONTRACTOR	ERI	C50
PODIATRIST	SIR	C51

POLICEMAN	RSI	052
POSTAL CLERK	CES	053
PRINTER	RIC	054
PSYCHIATRIST	ISA	055
PSYCHOLOGIST, CLINICAL	ISA	056
PSYCHOLOGIST, COUNSELING	SEC	057
PSYCHOLOGIST, INDUSTRIAL	ISA	058
PSYCHOLOGY PROFESSOR	ISA	059
RADIO STATION MANAGER	ESC	060
REAL ESTATE AGENT	ECS	061
SALES ENGINEER, HEATING AND AIR CONDITIONING	ESC	062
SCIENCE TEACHER, HIGH SCHOOL	ISR	063
SCHOOL SUPERINTENDENT	SAI	064
SOCIAL CASE WORKER	SIA	065
SOCIAL WORKER, GROUP	SIA	066
SOCIAL WORKER, PSYCHIATRIC	SIA	067
STATISTICIAN	IRA	068
SUPERVISOR/FOREMAN, INDUSTRIAL	REI	069
TRAVEL AGENT	CSR	070
TRUCK DRIVER	RCE	071
TELEVISION REPAIRMAN	ISC	072
UNIVERSITY PROFESSOR	IAS	073
VETERINARIAN	IRS	074
WELDER	RIS	075
X-RAY TECHNICIAN	IRS	076
YMCA SECRETARY	SIC	077

KLDER PREFERENCE RECCRC-FCRM D FEMALE, CCCUPATIONAL LISTING AND HOLLAND TYPE CODES

CCCUPATICN	CCDE	ENTRY
ACCOUNTANT	CES	C01
BANK CLERK	CES	C02
BEAUTICIAN	SAC	C03
BOOKKEEPER	CSI	C04
BOOKSTORE MANAGER	ESC	C05
COMPUTER PROGRAMMER	ICR	C06
COUNSELOR, HIGH SCHOOL	SEA	C07
DEAN OF WOMEN	ESC	C08
DENTAL ASSISTANT	SAI	C09
DEPARTMENT STORE SALESWOMAN	SEA	C10
DIETITIAN, ADMINISTRATIVE	SIE	C11
DIETITIAN, PUBLIC SCHOOL	SIE	C12
FLORIST	SER	C13
HOME DEMONSTRATION AGENT	SRI	C14
HOME ECONOMICS TEACHER, COLLEGE	SAE	C15
INTERIOR DECORATOR	AIS	C16
LAWYER	EAS	C17
LIBRARIAN	SAI	C18
MATH TEACHER, HIGH SCHOOL	ISR	C19
NURSE	SIA	C20
NUTRITIONIST	SIE	C21
OCCUPATIONAL THERAPIST	SRE	C22
OFFICE CLERK	CIE	C23
PHYSICAL THERAPIST	SIR	C24
PRIMARY SCHOOL TEACHER	SAI	C25
PSYCHOLOGIST	ISA	C26
PSYCHOLOGIST, CLINICAL	ISA	C27
RELIGIOUS EDUCATION DIRECTOR	SAI	C28
SCIENCE TEACHER, HIGH SCHOOL	ISR	C29
SECRETARY	CSE	C30
SOCIAL CASEWORKER	SIA	C31
SOCIAL WORKER, GROUP	SIA	C32
SOCIAL WORKER, MEDICAL	SIA	C33
SOCIAL WORKER, PSYCHIATRIC	SIA	C34
SOCIAL WORKER, SCHOOL	SIA	C35
STENOGRAPHER	CIE	C36
X-RAY TECHNICIAN	IRS	C37

SECTION 6

OCCUPATIONS GROUPED BY HOLLAND TYPE VOCATIONAL CODES

OCCUPATIONS GROUPED BY HOLLAND TYPE VOCATIONAL CODES

OCCUPATION	CODE
ARMY-ENLISTED	RAI
PETROLEUM DISTRIBUTOR	RCE
PRODUCTION TECHNICIAN	RCE
TRUCK DRIVER	RCE
CARPENTER	RCI
PAINTER, HOUSE	RCI
SURVEYING ASSISTANT	RCI
BRICKLAYER	RCS
NAVY-ENLISTED	RCS
AIR CONDITIONING AND REFRIGERATION TECHNICIAN	REI
CLIMATE CONTROL TECHNICIAN	REI
ENGINEER, HEATING/AIR CONDITIONING	REI
SUPERVISOR/FOREMAN, INDUSTRIAL	REI
AIR CARGO REPRESENTATIVE	RES
FLIGHT SERVICE STATION OPERATOR	RES
INVESTIGATOR, PRIVATE	RES
PASSENGER AGENT	RES
CARTOGRAPHER ASSISTANT	RIA
DENTAL LABORATORY TECHNICIAN	RIA
DRAFTSMAN/ARCHITECTURAL	RIA
AGRICULTURAL TECHNICIAN	RIC
COMMUNITY PLANNER ASSISTANT	RIC
COMMUNITY PLANNING ASSISTANT	RIC
COMMUNITY PLANNER ASSISTANT	RIC
CHEMICAL PRODUCTION TECHNICIAN	RIC
FARMER	RIC
INSTRUMENT ASSEMBLER	RIC
LANDSCAPER	RIC
PILOT PLANT TECHNICIAN (CHEMICAL)	RIC
PRINTER	RIC
PRINTING ADMINISTRATIVE TECHNICIAN	RIC
PRINTING PRODUCTION TECHNICIAN	RIC
QUALITY CONTROL/INSPECTOR	RIC
AIRCRAFT MAINTENANCE TECHNICIAN	RIE
ARCHITECTURAL DRAFTSMAN	RIE
AUTOMOBILE MECHANIC	RIE
AUTOMOTIVE TROUBLESHOOTER	RIE
BROADCASTING EQUIPMENT OPERATOR	RIE
COMMUNITY PLANNER	RIE
CIVIL ENGINEERING TECHNICIAN	RIE
CONSTRUCTION SUPERVISOR ASSISTANT	RIE
CONSTRUCTION TECHNICIAN	RIE

DIESEL TECHNICIAN	RIE
DRAFTING ASSISTANT	RIE
DRAFTSMAN/CONSTRUCTION	RIE
DRAFTSMAN/CONSULTING ENGINEER	RIE
DRAFTSMAN/INDUSTRY	RIE
ENGINEER, CIVIL	RIE
ENGINEERING DRAFTSMAN	RIE
ENGINEER, MECHANICAL	RIE
ENGINEER, MINING AND METAL	RIE
FIRE EQUIPMENT OPERATOR	RIE
INVENTORY ACCOUNTANT	RIE
MACHINE DESIGNER	RIE
MACHINIST	RIE
MECHANICAL ENGINEERING TECHNICIAN	RIE
PLUMBER	RIE
SANITARY TECHNICIAN	RIE
SOLID WASTE TECHNICIAN	RIE
WASTE-WATER PLANT OPERATOR	RIE
ELECTRICIAN	RIS
FIRE PROTECTION TECHNOLOGIST	RIS
FOREST SERVICE MAN	RIS
FORESTER	RIS
MATERIAL AND SOIL TESTER	RIS
WELDER	RIS
LABORATORY TECHNICIAN ASSISTANT	RSC
AIR TRAFFIC CONTROL SPECIALIST TRAINEE	RSE
FIRE FIGHTER	RSE
FIREMAN	RSE
FIREMAN, ADMINISTRATOR	RSE
FIREMAN, SUPERVISOR	RSE
FOOD DISTRIBUTOR	RSE
FOOD SERVICE ASSISTANT	RSE
LAW ENFORCEMENT OFFICER	RSI
POLICEMAN	RSI
PHYSICIST	IAR
UNIVERSITY PROFESSOR	IAS
QUALITY CONTROL TECHNICIAN	ICE
COMPUTER PROGRAMMER	ICR
JUNIOR COMPUTER PROGRAMMER	ICR
OCEANOGRAPHIC TECHNICIAN	ICR
RADIATION HEALTH TECHNICIAN	ICR
TOOL DESIGNER	ICR
URBAN DEVELOPMENT ASSISTANT	ICR
PHARMACIST	IES
CHEMIST	IRA
FOREST SERVICE TECHNICIAN	IRA
FOREST TECHNICIAN	IRA

LABORATORY ANALYST (CHEMICAL)	IRA
MATHEMATICIAN	IRA
METEOROLOGIST	IRA
NUCLEAR SCIENCE AIDE	IRA
PROJECT DIRECTOR	IRA
RESEARCH ASSISTANT (CHEMICAL)	IRA
STATISTICIAN	IRA
AIRLINE PILOT TRAINEE	IRC
AIR FORCE OFFICER	IRC
ARMY OFFICER	IRC
AUTOMOTIVE ENGINEERING TECHNICIAN	IRC
COMMERCIAL PILOT	IRC
CRIMINAL LABORATORY TECHNICIAN	IRC
CUSTOMER ENGINEER	IRC
ELECTRICAL ENGINEERING TECHNICIAN	IRC
ELECTRICAL EQUIPMENT TECHNICIAN	IRC
ENGINEER	IRC
ENGINEER ASSISTANT	IRC
ENGINEERING TECHNICIAN/STRUCTURAL DESIGN	IRC
ENGINEERING TECHNICIAN/SURVEYING	IRC
EXECUTIVE SECRETARY, PILOT	IRC
FLIGHT ENGINEER TRAINEE	IRC
GENERAL ENGINEERING TECHNICIAN	IRC
LABORATORY TECHNICIAN	IRC
NAVY-OFFICER	IRC
PILOT/SELF EMPLOYED	IRC
DENTIST	IRE
ELECTRONICS TECHNICIAN	IRE
ELECTRONICS TECHNICIAN/COMMUNICATIONS	IRE
ELECTRONICS TECHNICIAN/COMPUTERS	IRE
ELECTRONICS TECHNICIAN/DRAFTING	IRE
ELECTRONICS TECHNICIAN/INDUSTRIAL	IRE
ELECTRONICS TECHNICIAN/RESEARCH AND DEVELOPMENT	IRE
ENGINEER, ELECTRICAL	IRE
INDUSTRIAL TECHNICIAN	IRE
JUNIOR ELECTRICAL ENGINEER	IRE
MULTI-MEDIA TECHNICIAN/PROMOTIONAL ACTIVITIES	IRE
MULTI-MEDIA TECHNICIAN/SALES	IRE
MULTI-MEDIA TECHNICIAN/TEACHING	IRE
MULTI-MEDIA TECHNICIAN/TRAINING	IRE
ELECTRICAL ENGINEERING AIDE	IRS
ENGINEER ASSISTANT	IRS
NURSERYMAN	IRS
POLLUTION ABATEMENT TECHNICIAN	IRS
RADIOLOGIC TECHNOLOGIST	IRS
RESEARCH AND DEVELOPMENT TECHNICIAN	IRS
VETERINARIAN	IRS
X-RAY TECHNICIAN	IRS
PEDIATRICIAN	ISA
PHYSICIAN	ISA
PSYCHIATRIST	ISA

PSYCHOLOGIST	ISA
PSYCHOLOGIST, CLINICAL	ISA
PSYCHOLOGIST, INDUSTRIAL	ISA
PSYCHOLOGY PROFESSOR	ISA
PHYSICIAN'S ASSISTANT	ISA
MEDICAL LABORATORY ASSISTANT/BIOLOGICAL RESEARCH	ISC
MEDICAL LABORATORY ASSISTANT/HOSPITAL	ISC
MEDICAL LABORATORY ASSISTANT/MEDICAL SCHOOLS	ISC
MEDICAL LABORATORY ASSISTANT/ PHARMACEUTICALS	ISC
MEDICAL LABORATORY ASSISTANT/PUBLIC HEALTH	ISC
PRODUCER, RADIO AND TELEVISION	ISC
TELEVISION REPAIRMAN	ISC
BIOLOGIST	ISR
ESTUARY RESOURCES TECHNICIAN	ISR
MATH-SCIENCE TEACHER	ISR
MATH TEACHER, HIGH SCHOOL	ISR
MEDICAL TECHNOLOGIST	ISR
NUCLEAR MEDICINE TECHNICIAN	ISR
OPTOMETRIST	ISR
OSTEOPATH	ISR
SCIENCE TEACHER, HIGH SCHOOL	ISR
ADVERTISING ASSISTANT	AES
ADVERTISING MAN	AES
ENTERTAINER	AES
MODEL	AES
ADVERTISING PHOTOGRAPHER	AIR
ARCHITECTURAL TECHNICIAN	AIR
ARCHITECT	AIR
ARTIST	AIR
COMMERCIAL ARTIST	AIR
PHOTOGRAPHER	AIR
PHOTOLITHOGRAPHER	AIR
ADVERTISING DESIGNER	AIS
ADVERTISING ILLUSTRATOR	AIS
INTERIOR DECORATOR	AIS
ENGLISH TEACHER	ASE
JOURNALIST	ASE
NEWSWOMAN	ASE
ART TEACHER	ASI
MUSICIAN PERFORMER	ASI
MUSIC TEACHER	ASI
MUSIC TEACHER (PRIVATE)	ASI
BEAUTICIAN	SAC
HOME ECONOMICS TEACHER	SAE
HOME ECONOMICS TEACHER, COLLEGE	SAE

LANGUAGE TEACHER	SAE
NUN-TEACHER	SAE
DENTAL HYGIENIST	SAI
DENTAL ASSISTANT	SAI
DIRECTOR,CHRISTIAN EDUCATION	SAI
ELEMENTARY TEACHER	SAI
LIBRARIAN	SAI
LICENSED PRACTICAL NURSE	SAI
MINISTER	SAI
PRACTICAL NURSE	SAI
PRIMARY SCHOOL TEACHER	SAI
RELIGIOUS EDUCATION DIRECTOR	SAI
SCHOOL SUPERINTENDENT	SAI
TEACHER AIDE	SAI
EDUCATIONAL TELEVISION PRODUCER ASSISTANT	SCE
EXECUTIVE HOUSEKEEPER	SCE
LABOR RELATIONS SPECIALIST	SCE
TICKET SALES AGENT	SCE
COMMUNITY RECREATION DIRECTOR	SEA
COUNSELOR, HIGH SCHOOL	SEA
DEPARTMENT STORE SALESWOMAN	SEA
SALESWOMAN	SEA
CHAMBER OF COMMERCE EXECUTIVE	SEC
GUIDANCE COUNSELOR	SEC
FOOD SERVICE MANAGER	SEC
FUNERAL DIRECTOR	SEC
INTERVIEWER	SEC
PSYCHOLOGIST, COUNSELING	SEC
PSYCHOLIGICAL TESTING ASSISTANT	SEC
CLOTHIER,RETAIL	SER
EXPEDITOR	SER
FLORIST	SER
NURSE	SIA
PUBLIC HEALTH NURSE	SIA
REGISTERED NURSE	SIA
REHABILITATION COUNSELOR	SIA
SOCIAL CASE WORKER	SIA
SOCIAL WORKER	SIA
SOCIAL WORKER, GROUP	SIA
SOCIAL WORKER, MEDICAL	SIA
SOCIAL WORKER, PSYCHIATRIC	SIA
SOCIAL WORKER, SCHOOL	SIA
TEACHING ASSISTANT	SIA
TRANSLATOR	SIA
FAMILY THERAPIST ASSISTANT	SIC
RECREATION AIDE	SIC
RECREATION LEADER	SIC
RECREATION LEADER/COMMERCIAL AGENCIES	SIC
RECREATION LEADER/COUNTY DEPARTMENTS	SIC
RECREATION LEADER/MUNICIPAL DEPARTMENTS	SIC

RECREATION LEADER/PRIVATE AGENCIES	SIC
RECREATION LEADER/RESIDENTIAL INSTITUTIONS	SIC
RECREATION LEADER/SCHOOLS	SIC
RECREATION LEADER/YOUTH SERVING AGENCIES	SIC
PAROLE OFFICER	SIC
PROBATION OFFICER	SIC
SOCIAL SCIENCE TEACHER	SIC
YMCA SECRETARY	SIC
YMCA STAFF MEMBER	SIC
DIETITIAN	SIE
DIETITIAN, ADMINISTRATIVE	SIE
DIETITIAN, PUBLIC SCHOOL	SIE
NUTRITIONIST	SIE
PERSONNEL DIRECTOR	SIE
DIETETICS TECHNICIAN	SIR
DIETITIAN'S ASSISTANT	SIR
MENTAL HEALTH CLINICIAN	SIR
MENTAL HEALTH ASSISTANT	SIR
MENTAL HEALTH ASSOCIATE	SIR
OCCUPATIONAL THERAPY ASSISTANT	SIR
PHYSICAL THERAPIST	SIR
PODIATRIST	SIR
RESPIRATORY THERAPY TECHNICIAN	SIR
SPEECH PATHOLOGIST	SIR
CHILD CARE CENTER OWNER	SRE
CHILD CARE CENTER STAFF MEMBER	SRE
EARLY CHILDHOOD/ELEMENTARY TEACHER ASSOCIATE	SRE
ELEMENTARY TEACHER ASSOCIATE	SRE
LANGUAGE ARTS TEACHER ASSOCIATE	SRE
OCCUPATIONAL THERAPIST	SRE
PHYSICAL EDUCATION TEACHER	SRE
BEHAVIOR THERAPIST ASSISTANT	SRI
COUNTY AGRICULTURAL AGENT	SRI
DAY CARE WORKER	SRI
DRUG COUNSELING ASSISTANT	SRI
HOME DEMONSTRATION AGENT	SRI
HUMAN SERVICES ASSISTANT	SRI
PHYSICAL THERAPY ASSISTANT	SRI
ANNOUNCER	EAR
RADIO AND TELEVISION ANNOUNCER	EAR
LAWYER	EAS
BANKER	ECI
BANKWOMAN	ECI
MARKETING ASSISTANT	ECI
BUYER	ECS
EXECUTIVE AIDE, COUNTY GOVERNMENT	ECS
EXECUTIVE AIDE, FEDERAL GOVERNMENT	ECS
EXECUTIVE AIDE, LOCAL GOVERNMENT	ECS

EXECUTIVE AIDE, STATE GOVERNMENT	ECS
EXECUTIVE ASSISTANT, AGRICULTURE	ECS
EXECUTIVE ASSISTANT, CLIMATOLOGY	ECS
EXECUTIVE ASSISTANT, DOMESTIC AND FOREIGN	ECS
EXECUTIVE ASSISTANT, MARKETING	ECS
EXECUTIVE ASSISTANT, TRANSPORTATION	ECS
EXECUTIVE ASSISTANT, COUNTY GOVERNMENT	ECS
EXECUTIVE ASSISTANT, FEDERAL GOVERNMENT	ECS
EXECUTIVE ASSISTANT, LOCAL GOVERNMENT	ECS
EXECUTIVE ASSISTANT, STATE GOVERNMENT	ECS
INSURANCE AGENT	ECS
INSURANCE SALESMAN	ECS
LIFE INSURANCE UNDERWRITER	ECS
PURCHASING AGENT	ECS
REAL ESTATE SALESMAN	ECS
PLANT ENGINEERING TECHNICIAN/HOSPITALS	EIR
PLANT ENGINEERING TECHNICIAN/INDUSTRIAL	EIR
PLANT ENGINEERING TECHNICIAN/SCHOOLS	EIR
BUILDING CONTRACTOR	ERI
BUILDING CONTRACTOR ASSISTANT	ERI
PLUMBING CONTRACTOR	ERI
AIRLINE STEWARDESS	ESA
ADMINISTRATIVE ASSISTANT	ESC
ADMINISTRATOR-FIRE DEPARTMENT	ESC
AIRPORT MANAGER	ESC
AUTOMOBILE SALESMAN	ESC
BOOKSTORE MANAGER	ESC
BUSINESS MANAGER	ESC
BUSINESS MANAGER ASSISTANT	ESC
CATERING MANAGER	ESC
CHILD CARE CENTER MANAGER	ESC
CHILD CARE CENTER OPERATOR	ESC
CLUB MANAGER	ESC
DEAN OF WOMEN	ESC
DEPARTMENT MANAGER	ESC
EXECUTIVE SECRETARY	ESC
GRAPHIC ARTS TECHNICIAN	ESC
HOSPITAL MANAGEMENT SPECIALIST	ESC
HOTEL MANAGER	ESC
HOTEL/MOTEL MANAGER	ESC
INDUSTRIAL MANAGER	ESC
INSURANCE SALES MANAGER	ESC
LAW ENFORCEMENT, ADMINISTRATOR	ESC
LAW ENFORCEMENT SUPERVISOR	ESC
MIDDLE MANAGER/ADVERTISING	ESC
MIDDLE MANAGER/DEPARTMENT STORE	ESC
MIDDLE MANAGER/NEWSPAPER	ESC
MIDDLE MANAGER/SUPERMARKET	ESC
PERSONNEL MANAGER	ESC
PHARMACEUTICAL SALESMAN	ESC
PRESIDENT (MANUFACTURING)	ESC
PRODUCTION MANAGER	ESC
PUBLIC ADMINISTRATOR	ESC

RADIO STATION MANAGER	ESC
REAL ESTATE AGENT	ESC
REAL ESTATE SALES MANAGER	ESC
RESTAURANT MANAGER	ESC
SALESMAN	ESC
SALES MANAGER	ESC
SALES ENGINEER, HEATING AND AIR CONDITIONING	ESC
SECURITY OFFICER	ESC
SECURITY OFFICER, ADMINISTRATOR	ESC
SECURITY OFFICER SUPERVISOR	ESC
SMALL BUSINESS MANAGER	ESC
SMALL STORE MANAGER	ESC
DATA PROCESSING SYSTEMS ANALYST	ESI
ENGINEER, INDUSTRIAL	ESI
HEAVY EQUIPMENT SALESMAN	ESI
QUALITY CONTROL PLANNER	ESI
WHOLESALER	ESI
COMPUTER EQUIPMENT OPERATOR	CER
ACCOUNTANT	CES
ACCOUNTING CLERK	CES
BANK CLERK	CES
CLERK	CES
CLERK TYPIST	CES
CREDIT MANAGER	CES
GENERAL OFFICE CLERK	CES
JUNIOR ACCOUNTANT	CES
LOAN CLERK	CES
POSTAL CLERK	CES
GENERAL OFFICE WORKER	CIE
OFFICE CLERK	CIE
OFFICE WORKER	CIE
STENOGRAPHER	CIE
TYPIST	CIE
ACCOUNTANT, CERTIFIED PUBLIC	CIS
BUSINESS ACCOUNTANT	CIS
BUSINESS ACCOUNTING ASSISTANT/GOVERNMENT AGENCIES	CIS
BUSINESS ACCOUNTING ASSISTANT/INDUSTRY	CIS
CERTIFIED PUBLIC ACCOUNTANT (OWNER)	CIS
CPA	CIS
CARD PUNCH OPERATOR	CRI
MEDICAL RECORDS TECHNICIAN	CSA
MEDICAL SECRETARY	CSA
BUSINESS EDUCATION TEACHER	CSE
EDUCATIONAL SECRETARY	CSE
GENERAL SECRETARY	CSE
INVESTIGATOR, ORGANIZATIONAL	CSE
LEGAL SECRETARY	CSE

SECRETARY	CSE
TECHNICAL SECRETARY	CSE
TELEPHONE OPERATOR	CSE
AUDITING ASSISTANT	CSI
BOOKKEEPER	CSI
SEWING MACHINE OPERATOR	CSR
TRAVEL AGENT	CSR

References

Campbell, D. P. Strong Vocational Interest Blank for Men, TM399. Stanford, California: Stanford University Press, 1968.

Campbell, D. P. Strong Vocational Interest Blank for Women, TW398. Stanford, California: Stanford University Press, 1968.

Holland, J. L. The Self Directed Search: A Guide to Educational and Vocational Planning. Palo Alto, California: Consulting Psychologists Press, 1971.

Johnson, B. M. Curricular Guide for Students and Counselors. Annapolis, Maryland: Maryland State Board of Community Colleges, 2, 1972.

Kuder Occupational Interest Survey-Form DD, Chicago: Science Research, Inc., 1964.

Kuznik, A. E. Reverse Transfer: Students Who Transfer from Four-Year to Two-Year Colleges. Journal of College Student Personnel, 1972, 13, 425-428.

McKibbin, E. F. Round Two for College Dropouts. Junior College Journal, 1966, 37, 22-25.

Meadows, M. E. & Ingle, R. R. Reverse Articulation: A Unique Function of the Junior College. College and University, 1968, 44, 47-54.

Viernstein, M. C. The Extention of Holland's Occupational Classification to all Occupations in the Dictionary of Occupational Titles. Report No. 100, Center for Social Organization of Schools, The John Hopkins University, April, 1971.